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TM 9-1240-330-34

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

A-1

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE)

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PERISCOPE, TANK: M50 (1240-00-950-2805)

AND

ASSOCIATED EQUIPMENT ITEMS: WIPER ASSEMBLY, DATA TRANSMISSION LINKAGE ASSEMBLY, GUARD AND SHIELD ASSEMBLY, AND COMPONENTS OF WASHER PUMP AND RESERVOIR

This copy is a reprint which includes current pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY
FEBRUARY 1973

D101.11:

WARNING

HIGH VOLTAGE

is used in the operation of this equipment

INJURY ON CONTACT

may result if personnel fail to observe safety precautions

Be careful not to contact high voltage connections when installing or operating this equipment.

When working inside the equipment, after power has been turned off, always ground high voltage connections.

For artificial respiration, refer to FM 21-11.

EXTREMELY DANGEROUS POTENTIALS

exist in the following unit:

Tube assembly 10539739

WE 56088

TECHNICAL MANUAL
No. 9-1240-330-34

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., *20 February 1973*

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE)

FOR

PERISCOPE, TANK: M50 (1240-00-950-2805)

AND

ASSOCIATED EQUIPMENT ITEMS: WIPER ASSEMBLY, DATA TRANSMISSION LINKAGE ASSEMBLY, GUARD AND SHIELD ASSEMBLY, AND COMPONENTS OF WASHER PUMP AND RESERVOIR

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1–1. Scope

These instructions are in accordance with the MAC and are published for the use of direct support and general support maintenance personnel for the repair of periscope tank M50, and its associated equipment. They also provide information on the repair of the equipment which is beyond the scope of the tools, equipment, personnel, or supplies normally available to operator's and organizational maintenance.

1–2. Forms and Records

a. Maintenance Forms and Records. DA Forms and procedures used for equipment maintenance will be only those prescribed in TM 38–750.

b. Reporting of Errors. Report of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on DA Form 2028, Recommended Changes to DA Publications, and forwarded directly to Commanding Officer, Frankford Arsenal, ATTN: AMSWE-MAF-W3100, Philadelphia, Pa. 19137.

Section II. DESCRIPTION AND DATA

1–3. Description

a. General.

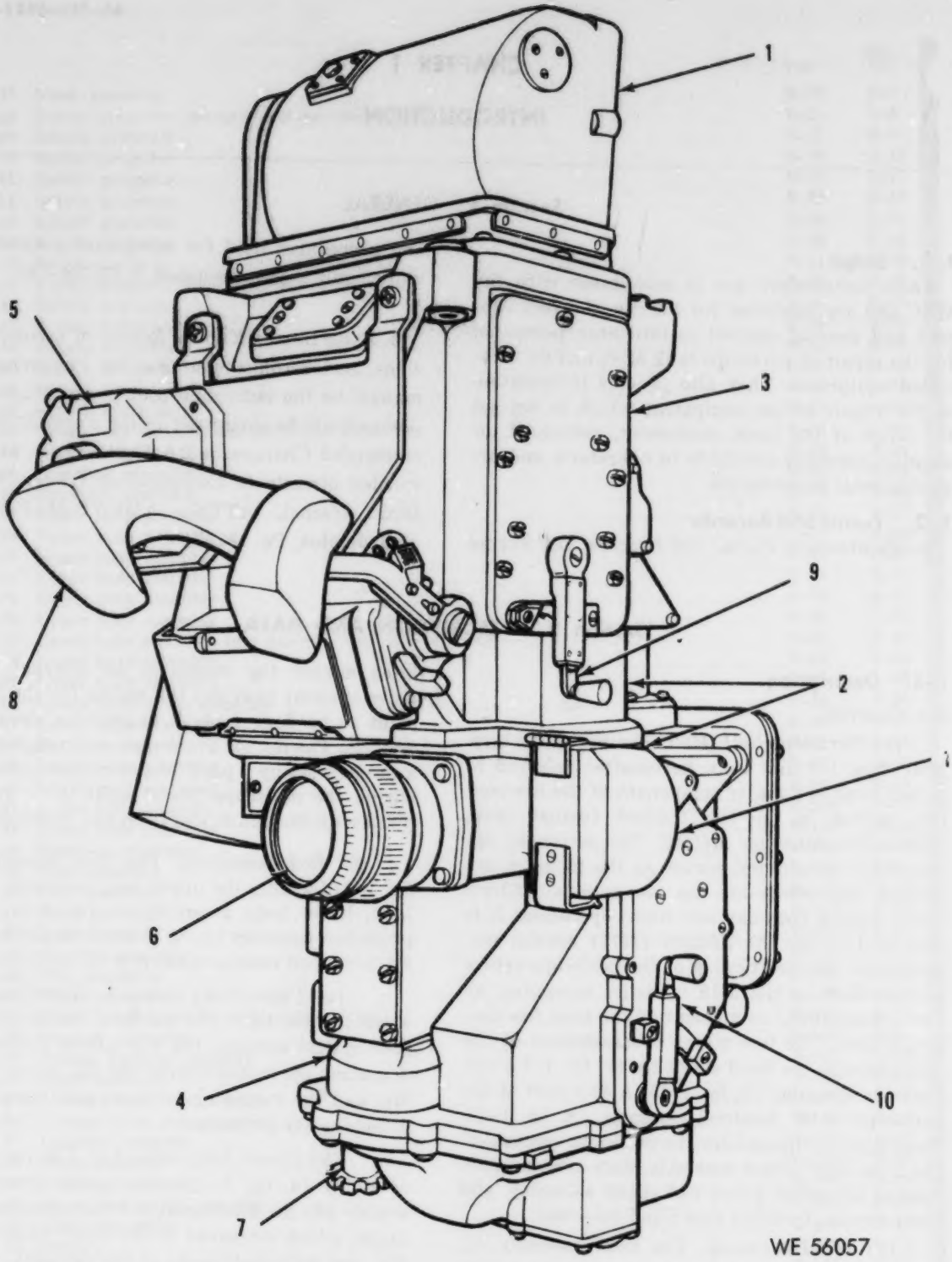
(1) *Periscope tank M50.* The periscope tank M50 (figs. 1–1 and 1–2), hereinafter referred to as periscope is a major component of the fire control system in the full tracked combat tank, 152mm gun/launcher M60A2. The periscope, operated by the gunner, serves as the primary fire control instrument for the conventional 152mm round during both day and night operation. It is also used to fire the 7.62mm (M73) coaxial machine gun. The positioning of the periscope reticle is controlled by the M19 ballistics computer, an electromechanical component of the tank fire control system. The two major subassemblies of the periscope are the head assembly (1, fig. 1–1), and the body assembly (2, fig. 1–1). Also a part of the periscope is the headrest assembly (8, fig. 1–1). Associated equipment for the periscope consists of the following: wiper assembly, data transmission linkage assembly, guard and shield assembly, and components of washer pump and reservoir.

(2) *Head assembly.* The head assembly (1, fig. 1–1) consists of a housing containing a window and an articulated head mirror. This articulated mirror (by means of an internal mirror drive system) provides the means for the line-of-sight to be depressed 18 degrees or elevated 22 degrees. The mirror drive system is coupled to the gun trunnion by a parallelogram-type linkage, ensuring the periscope line-of-sight to be synchronized with the gun in elevation and depression.

(3) *Body assembly.* The body assembly (2, fig. 1–1) includes the upper body assembly (3, fig. 1–1), lower body assembly (4, fig. 1–1), reticle projector assembly (1, fig. 1–2), tube assembly (2, fig. 1–2), and resistor assembly (5, fig. 1–1).

(*a*) *Upper body assembly.* The upper body assembly (3, fig. 1–1) contains elements of all four optical systems, the flip mirror arm (9) for operating the mechanism of the flip mirror assembly, and the mounting surfaces and keyways for attaching the periscope.

(*b*) *Lower body assembly.* The lower body assembly (4, fig. 1–1) contains the eyepiece assembly (6) the filter knob and its operating mechanism which is geared to the filter wheel assembly, and optical elements of the daylight, passive, and reticle projector systems. It contains a flip



1. Head assembly
2. Body assembly
3. Upper body assembly
4. Lower body assembly
5. Resistor assembly
6. Eyepiece assembly
7. Focus knob (passive system)
8. Headrest assembly
9. Flip mirror arm
10. Flip mirror arm
11. Filter case

Figure 1–1. Periscope M50—left rear view.

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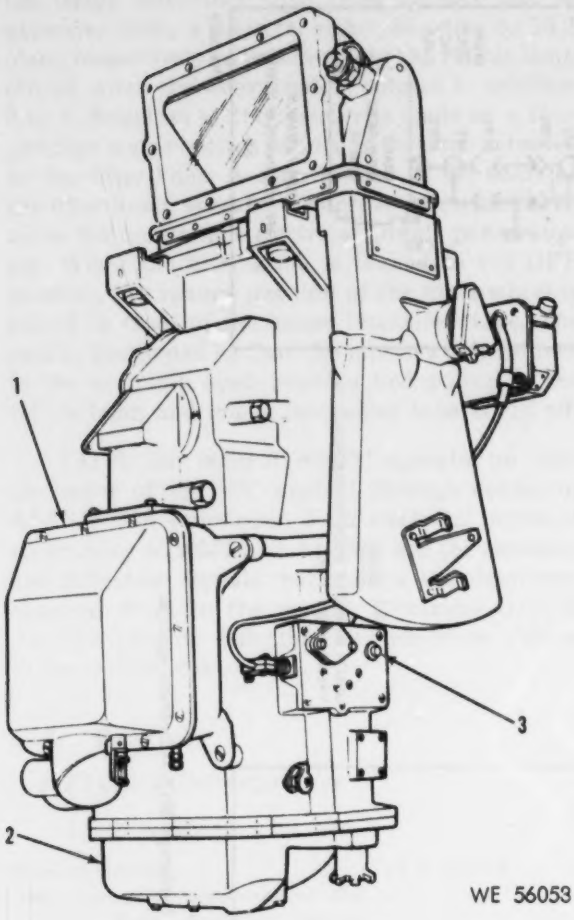


1. Reticle projector assembly
2. Tube assembly
3. Regulator assembly

Figure 1–2. Periscope M50—right front view.

mirror arm (10) required to operate a second flip mirror, and the regulator assembly (3, fig. 1–2).

(*c*) *Reticle projector assembly.* The reticle projector assembly (1, fig. 1–2) contains a majority of the optical components of the reticle projector system. The driven reticle, which is projected into the periscope line-of-sight, is an electromechanical driving device which corrects the vertical and horizontal position of the reticle.

(*d*) *Tube assembly.* The tube assembly (2, fig. 1–2), contains the image intensifier tube (housed in the tube holder), oscillator assembly, and optical elements of the passive and daylight systems. The focus knob (7, fig. 1–1), when rotated, moves the tube holder vertically for focusing the passive system.

(*e*) *Resistor assembly.* The resistor assembly is secured to the upper body assembly. It contains a rheostat (variable resistor) with an external control knob for varying the brightness of the reticle lamp.

(4) *Headrest assembly.* The headrest assembly (8, fig. 1–1) is secured to the lower body assembly. It can be adjusted to the eye distance most convenient to the observer or rotated out of the way when viewing through the unity power exit window.

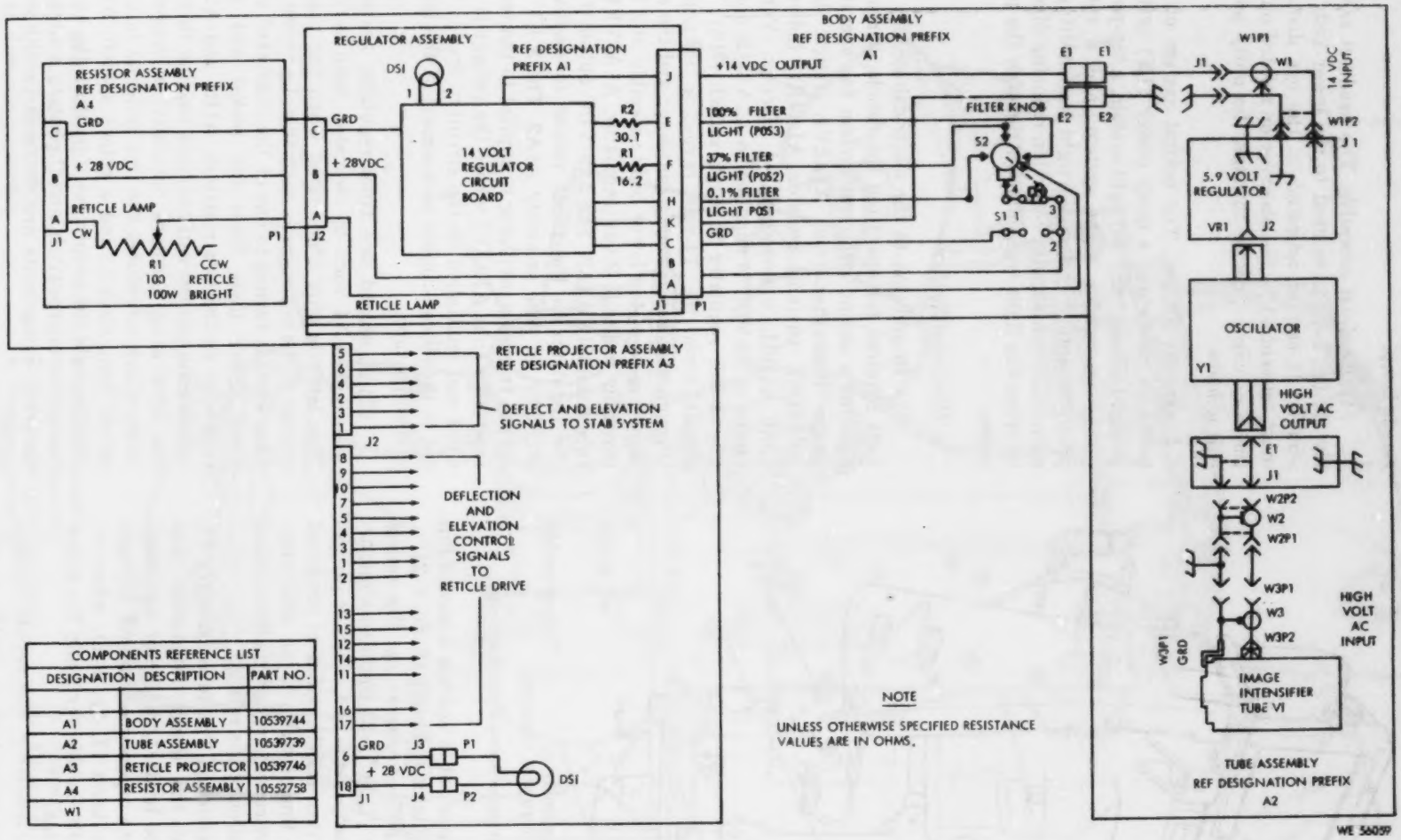
b. Optical System. The optical system of the periscope consists of a unity power (1X) system, an eight-power (8X) daylight system, a ten-power (10X) passive or night system, and a reticle projector optical system. All light transmitting elements are coated with reflection reducing films to increase the light transmission through the periscope.

c. Electrical System.

(1) In addition to the electrical system (fig 1–3) required for operating the reticle, periscope contains a second electrical system for operating image intensifier tube A1A2V1, reticle lamp A1A3DS1, variable resistor A1A4R1, indicator light A1DS1, and associated circuits. Vehicle power of 28 VDC is supplied to A1A4J1B and to the 14-volt regulator through switch A1S1. The output from the 14-volt regulator is applied through a socket and plug connector and the mating contacts of the lower body assembly and tube assembly to the 5. 9-volt regulator, A1A2VR1, in tube assembly A1A2. The 5. 9 VDC output from the regulator is the input power to oscillator, A1A2Y1, in tube assembly A1A2. The 3 KV AC output from the oscillator is applied to the image intensifier tube A1A2V1 where the voltage is rectified and multiplied by the circuitry that is potted in the silicon-rubber encasement of the image intensifier tube.

(2) A second line from regulator assembly A1 supplies 14 volts to indicator lamp A1DS1. This lamp is only illuminated when the passive system of the periscope is operative; i.e., when the filter knob is turned to one of the numbered positions. Other lines from the socket and plug connector go the two resistors, A1R1 and A1R2, which maintain the ratio of light passing through the filter at a constant intensity, microswitch A1S1 which introduces the two resistors into the reticle lamp circuit; and a rotary switch, A1S2, which selects the proper resistor. With the exception of the microswitch, and the rotary switch, all electrical components are mounted on the cover panel.

(3) The rheostat knob (reticle bright), lo-



COMPONENTS REFERENCE LIST		
DESIGNATION	DESCRIPTION	PART NO.
A1	BODY ASSEMBLY	10539744
A2	TUBE ASSEMBLY	10539739
A3	RETICLE PROJECTOR	10539746
A4	RESISTOR ASSEMBLY	10552758
W1		

Figure 1–3. Periscope M50—electrical system.

cated on resistor assembly A1A4, controls the intensity of illumination of the reticle. To protect the image intensifier tube from damage due to excessive light, a resistor, either 30 ohms or 16.2 ohms respectively is switched into the reticle lamp circuit when the filter knob is rotated to position 3 or 2. Selection of the resistor is made by a four position wafer switch which is directly actuated by the filter knob. A cam, pinned to the shaft of the filter knob, operates a microswitch which activates the image tube electrical circuit power supply. When the filter knob is turned to the OFF position, the opaque position of the filter wheel is placed in front of the image intensifier tube. The cam is positioned so that the microswitch returns to the normally open position and power to the reticle lamp and image intensifier tube is cut off.

(4) Reticle lamp A1A3DS1 operates on vehicle power of 28 VDC applied through connector A1A3J1. The remainder of the electrical inputs at receptacles A1A3J1 and A1A3J2 are the elevation and deflection signals that control the electromechanical drive to the reticle. Electrical O/P at A1A3J2 provide deflection and elevation signals to the vehicle stab system.

1–4. Data

a. Physical Characteristics.

(1) *Weight.*

Head Assembly	17 lb approx
Body Assembly (consisting of the Upper Body Assembly, Lower Body Assembly, Tube Assembly, and the Reticle Projector Assembly)	58 lb approx
Guard and Shield Mounting Assembly	132 lb approx
Data Transmission Linkage Assembly	35 lb approx
Wiper Assembly	2 lb approx

(2) *Size (periscope).*

Width	9 in.
Overall height	28 in.
Maximum depth	14.5 in.

b. Optical Characteristics.

(1) *Unity power (1X) system.*

Field-of-view	22 degrees horizontal 6 degrees 30 min vertical

(2) *Daylight (8X) system.*

Magnification	8X
Field-of-view	8 degrees
Exit pupil diameter	5MM
Clear eye distance	1.15 in.
EFL (objective)	7.33 in.
EFL (eyepiece)	1.32 in.
Entrance pupil	1.6 in.
Dioptral adjustment	± 4 diopters

(3) *Passive (10X) system.*

Magnification	10X
Field-of-view	5 degrees 30 min
Exit pupil diameter	7MM
Clear eye distance	1.15 in.
EFL (objective)	9.82 in.
EFL (eyepiece)	1.32 in.
Entrance pupil	6.50 X 3.25 in.
Dioptral adjustment	± 4 diopters

c. Other Characteristics.

Line-of-sight (travel)	22 degrees elevation 18 degrees depression

CHAPTER 2

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS

Section I. REPAIR PARTS, SPECIAL TOOLS, AND EQUIPMENT

2–1. Repair Parts

Repair parts for periscope M50 and its associated equipment are listed and illustrated in appendix B of this manual. Maintenance instructions contained herein pertain to the replacement of repair parts authorized at the direct support and general support maintenance levels.

2–2. Special Tools and Equipment

Table 2–1 lists the special tools and equipment that are necessary to perform the operations described in this manual. Special tool sets of a general nature are authorized by TA and TOE.

Section II. GENERAL MAINTENANCE

2–3. General Maintenance Procedures.

Refer to TM 9–254.

2–4. Cleaning

a. Cleanliness is essential in all repair operations. Dirt and dust, even in minute quantities, are abrasive. Precision lapped surfaces of rotating parts and all optical parts must be protected from dust and dirt at all times. Be sure parts are cleaned as specified and that they are kept clean. Do not handle parts with greasy hands.

b. Cover all openings of the periscope with tape or other suitable materiels and throughly clean all external parts and outer surfaces. Make sure that no foreign matter enters working parts. Remove grease and oil with cleaning solvent or mineral

Table 2–1. Special Tools and Equipment

Item	NSN or reference no.	Reference		Use
		Fig.	Para.	
DIOPTOMETER	4931–00–536–5557 (7680631)		3–6	Used to adjust focus of periscope.
FORK HOLD DOWN	4931–00–065–0536 (8566245)	4–7	4–15	To prevent loss of springs and plungers from coupling assembly.
GAGE, SPACER DATA TRANSMISSION (linkage location)	4931–00–087–2051 (8625912)	4–6	4–10	To ensure proper engagement of linkage data transmission coupling and periscope during installation of linkage data transmission assembly.
POWER SUPPLY (0–36 VOLTS VDC)	6130–00–408–9969		1–3c	Used to supply power to the electrical system.
PURGING KIT FIRE CONTROL	4931–065–1110 (SC 4931–95–CL–J54)		3–17	To purge and charge instrument.
CROWFOOT ATTACHMENT SOCKET	5120–293–1009	4–5	4–10[illegible]	[illegible]

spirits paint thinner applied with a stiff brush. Clean headrest with a mild soap and warm water. Clean all optics with Type I lens liquid cleaning compound. Dry all parts throughly after cleaning.

2–5. Painting

All deteriorated or damaged surfaces are to be cleaned and painted. When repainting individual components after repair, all existing paint must be renewed.

2–6. Other Materials Required

Materials necessary to perform the repair function are listed in table 2–2.

Section III. TROUBLESHOOTING

2–7. General

This section contains troubleshooting information and tests for locating and correcting malfunctions that may develop in the periscope M50. This information is arranged to provide maintenance personnel with a logical method of troubleshooting. These procedures are peculiar to direct support and general support maintenance. For troubleshooting performed by operator and organizational maintenance, refer to TM 9–2350–232–10 and TM 9–2350–232–20–2.

Caution: **Operation of periscope M50 without a preliminary examination could cause further damage to a faulty component. Exercise care during inspection and troubleshooting so that additional damage can be avoided.**

2–8. Procedure

Close adherence to the procedures covered herein will materially reduce the time required to locate trouble and restore the equipment to normal operation. Table 2–3 contains troubleshooting methods and the corrective action to be taken.

Table 2–2. Consumable Maintenance Supplies.

Item Name	Specification	FSC
Anti-icing and deicing defrosting fluid.	MIL–A–8243	6850
Dry cleaning solvent; liquid form, Type 1.	P–D–680	6850
Grease, aircraft and instruments.	MIL–G–23827	9150
Grease, Pneumatic system	MIL–G–4343	9150
Nitrogen, Technical	FED–BB–N–411	6830
Sealing Compound (noncuring).	MIL–S–11030	8030
Sealing Compound (curing).	MIL–S–11031	8030
Sealing Compound	MIL–S–45180	8030
Wire, electrical, type B22, 105° C, 600 volts (insulated, high temperature).	MIL–W–16878–1	6145

Table 2–3. Troubleshooting

Malfunctions	Probable cause(s)	Corrective action(s)
Condensation in head or body assembly	*a.* Defective preformed packing	*a.* Replace preformed packing (paras 3–3, 3–5)
	b. Defective purging valve or relief valve	*b.* Replace (paras 3–8, and 3–9)
	c. Improperly sealed	*c.* Seal, purge, and charge (para 3–19 and 3–20)
Condensation in reticle projector	Defective components of purging of valve, or relief valve	Replace (paras 3–8 and 3–9)
Reticle lamp fails to illuminate	*a.* Lamp burned out	*a.* Replace lamp (ref TM 9–2350–232–10)
	b. Loose or broken connection	*b.* Check all connections from power supply (ref TM 9–2350–232–20–2)
Headrest assembly fails to lock in position	*a.* Damaged or broken spring	*a.* Repair or replace spring (para 3–11)
	b. Missing or damaged locking screw	*b.* Replace locking screw (para 3–11)
Image intensifier tube fails to illuminate	*a.* Defective image tube	*a.* Replace tube (para 3–14)
	b. Defective power station	*b.* Replace power station (para 3–13)
Indicator light does not illuminate	*a.* Indicator light burned out	*a.* Replace (para 3–7)
	b. Loose or broken wire	*b.* Repair or replace (para 3–7)
Reticle illuminate not controllable	Defective resistor	Replace resistor (para 3–12)

Section IV. INSPECTION

2-9. General

a. This section sets forth inspection procedure for the periscope in direct support and general support maintenance shops. Inspection is performed primarily, (1) To determine completeness, (2) To determine the nature of unserviceability, (3) To determine the work, repair parts, and supplies required to return the materiel to serviceability, (4) To ensure that work in process is being performed properly, and (5) To determine that completed work complies fully with serviceability standards.

b. Inspection in the hands of troops refers to inspection of the periscope when installed in the M60A2 tank.

c. All applicable modification work orders will be applied. DA Pamphlet 310-7 contains the MWO index and equipment records. DA Form 2408-5 and DA Form 2409 lists MWOs applied.

2-10. Categories of Inspection

Categories of inspection define the responsibilities of direct and general support maintenance shops as a support activity. Table 2-4 lists specific inspections.

a. Direct and General Support Inspection.

(1) *Initial inspection.* This inspection is performed immediately on receipt of materiel in direct and general support maintenance shops. This inspection will determine the amount of work to be performed or whether the materiel should be forwarded to a depot maintenance shop because of the type or extent of repair required.

(2) *In-process inspection.* This inspection is performed in the process of repairing the materiel and its components. It assures that workmanship is in accordance with approved methods and procedures and that deficiencies not disclosed by the initial inspection are found and corrected.

(3) *Final inspection.* Refer to chapter 5.

*b. Pre*embarkation Inspection of Materiel in *Units Alerted for Oversea Movement.* This inspection is performed on materiel in the hands of troops alerted for overseas duty to ensure that such materiel will not become unserviceable or worn out in a relatively short time. It prescribes a higher percentage of remaining usable life in serviceable materiel to meet a specific need beyond minimum serviceability.

2-11. Inspection Procedures

The inspections in table 2-4 are to be performed as designated by an "X" in the appropriate column.

Table 2-4. Maintenance Inspections

Direct and general support inspections			Action
Initial	Inprocess	Preembarkation	
X		X	Note general appearance of the periscope and its equipment as an indication of the materiel and type of treatment it has received.
X	X	X	Check condition of materiel and accessible areas for dents, bent, broken, or missing parts, moisture or corrosion.
X	X	X	Inspect scale numbers, divisions, indexes, and identification plate for legibility.
X	X	X	Inspect for bare spots due to chipping of paint or damaged finishes which expose metal surfaces and lead to corrosion.
X	X	X	Knobs and level must operate smoothly without binding or rough motion.
X	X	X	The equipment must be clean and free of dirt or grit.
X		X	Periscope must be mounted in guard and shield assembly using mounting hardware (1 through 4, fig. B-60).
		X	Refer to the Basic Issue Items List in TM 9-2350-232-10 for completeness of repair parts, tools, and equipment.
X	X	X	Optical components must be free of scratches, pits, dirt, moisture, and chips that will interfere with periscope performance.
X	X	X	There must be no discoloration of cement between elements of compound lenses which will affect optical performance.
X	X	X	Electrical components will be visually inspected for wire ends not soldered or improperly secured under screws, frayed wiring, loose hardware, or improperly soldered connections.

CHAPTER 3

REPAIR INSTRUCTIONS

Section I. GENERAL

3-1. Scope

This chapter contains detailed instructions for repair of the periscope at direct support and general support maintenance levels. The extent of disassembly is, therefore, limited by these instructions.

3-2. Parts Replacement

In subsequent repair paragraphs, it is understood that authorized parts damaged beyond repair are to be replaced.

Section II. MAINTENANCE OF PERISCOPE M50

NOTE

TM 9-2350-232-20-2 contains specific removal/installation instructions for the periscope.

3-3. Replacement of Head assembly and Packing

(Fig. B-1)

a. Removal. Remove items 1 through 4. Remove head assembly (5) upward being careful not to damage pin or eccentric. Remove packing (7) from groove of body assembly (15).

b. Inspection.

(1) Inspect the general condition of the head assembly.

(2) Check movement of mirror for irregular or stiff movement during elevation or depression.

(3) Inspect window or mirror for broken, cracked, or chipped glass.

(4) Check for burrs along the mating surface.

(5) Inspect packing for breaks, wear, or deterioration that could prevent a good seal.

(6) Inspect hardware; check for worn or stripped threads in screws.

c. Repair.

(1) If inspection shows the head assembly to have excess damage, replacement of the assembly is recommended. Replace packing if inspection shows evidence of damage.

(2) If inspection reveals damage to the mirror or window, forward instrument to a depot maintenance shop for repair.

(3) Remove nicks and burrs with a fine file or scraper.

d. Cleaning. Prior to installing the head assembly, clean window and mirror using the materials specified in TM 9-254.

e. Installation. Install packing (6) into the groove of the body assembly. Position head assembly (5) to body assembly and secure with items 1 through 4.

f. Purging and Charging. After installation, purge and charge the head assembly (refer to TM 750-116).

g. Adjustments. Refer to TM 9-2350-232-20-2 for installation of periscope in vehicle and procedure for boresighting and synchronization of the periscope.

3-4. Removal of Headrest Assembly

(Fig. B-1)

a. Removal. Remove three screws (12) and three washers (13) and remove headrest assembly (14).

b. Inspection. Inspect hardware; check for worn or stripped threads.

c. Cleaning. Remove all traces of sealing compound from mounting screws and screw holes requiring new sealing compound.

d. Repair. Refer to paragraph 3-11 for repair of headrest assembly.

e. Installation. Apply sealing compound, MIL-S-11031, to threads of mounting screws (12). Position headrest assembly and secure to periscope with items 12 and 13.

3-5. Replacement of Packing (Tube Assembly)
(Fig. B-33)

a. Removal.

(1) Remove eight screws (1), and washers (2), and carefully lower tube assembly (4) straight down slowly to disengage the tube assembly from body assembly (3), and the key (located on tube assembly) from the keyway in the lower body assembly.

(2) Remove packing (5) from groove of tube assembly. Do not remove two pins (6) unless pins are damaged and must be replaced.

b. Inspection.

(1) Inspect packing for breaks, damage or deterioration that could prevent a positive seal.

(2) Inspect mating surface for burrs. Check screws for stripped threads.

c. Repair.

(1) If inspection shows damage to packing, then replacement is necessary.

(2) Remove burrs from mating surface with a fine file.

d. Cleaning. Clean all exposed optical surfaces, using the materials specified in TM 9-254.

CAUTION

Do not move or disturb any optic or assembly that could cause the periscope to be out of alinement.

e. Installation.

(1) Insert packing (5) into groove of tube assembly (4).

(2) If two pins (6) are to be replaced, drive pins (6) into position in body assembly.

(3) Carefully position tube assembly to body assembly using care when engaging key (located on tube assembly) with keyway in body assembly. Secure tube assembly with items 1 and 2.

f. Purging and Charging. After installation, purge and charge the body assembly (refer to TM 750-116).

3-6. Replacement of Eyepiece Assembly and Packing
(Fig. B-37)

a. Removal.

(1) Remove four screws (1) and washers (2), and carefully remove eyepiece assembly (3).

(2) Remove packing (4).

b. Inspection.

(1) Inspect eyepiece for dirt or chipped glass.

(2) Inspect for discoloration of cement between elements of compound lenses.

(3) Inspect for smoothness of eyepiece movement.

(4) Inspect packing for deterioration that could prevent a good seal.

c. Repair. If inspection shows the eyepiece assembly to have excess damage, replacement of the assembly is recommended. Forward the unserviceable eyepiece assembly to a depot maintenance shop for repair.

d. Cleaning. Clean the exposed surfaces of optics in the eyepiece assembly using the materiels specified in TM 9-254.

e. Installation.

(1) Apply grease, MIL-G-4343, to packing (4) and insert into groove of eyepiece assembly (3).

(2) Carefully position eyepiece assembly and secure with four screws (23) and four washers (24).

f. Test and Adjustment.

(1) Use dioptometer, 4931-00-536-5557, and adjust eyepiece (of the dioptometer) until the dioptometer reticle is sharp to the observer's eye. Set the objective tube of dioptometer to zero (0).

(2) Use a 24 VDC electrical source to illuminate the periscope reticle. Adjust for proper illumination by turning the reticle rheostat knob.

(3) Place dioptometer against the eyepiece of the periscope. Sight through dioptometer and rotate eyepiece diopter ring until the periscope reticle is at its sharpest focus while sighting

through the daylight optical system. The eyepiece diopter scale should read zero diopter within ¼ diopter. If not within tolerance, loosen two setscrews on eyepiece diopter scale and rotate diopter scale to zero. Tighten the two setscrews to lock scale in position.

(4) With the periscope eyepiece set for best focus to the observer's eye, sight through the daylight optical system on a target at one thousand (1000) meters, plus or minus one hundred (100) meters. View through eyepiece and move head from side to side and observe if there is any apparent movement between the periscope reticle and target. Parallax tolerance shall not exceed 0.10 mil (thickness of a reticle line). If parallax exceeds the above tolerance, forward the instrument to a depot maintenance shop for repair.

g. Purging and Charging. After installation of eyepiece assembly, purge and charge the body assembly (refer to TM 750-116).

3-7. Replacement of Regulator Assembly, and Indicator Light

(Figs. B-42 and B-43)

a. Removal.

(1) Remove six screws (fig. B-42, Item 1) and partially remove regulator assembly. Disconnect cable connector, then remove regulator assembly.

(2) Remove the indicator light socket (Fig. B-43, item 1) by removing the nut and washer in rear of the regulator assembly. Do not unsolder wires from indicator light socket unless damaged.

b. Inspection.

(1) Inspect the general condition of the regulator assembly; check for corrosion or any condition indicating deterioration. If the regulator assembly was inoperable prior to removal, then replacement is necessary.

(2) Inspect the connector receptacle; check for worn or cracked insulation.

(3) Check indicator light for corrosion, nicked, or stripped threads.

c. Repair. Repair is limited to replacement of missing, defective or damaged parts.

d. Assembly.

(1) Attach indicator light and secure to the regulator assembly with washer and nut provided.

(2) Carefully plug cable connector into regulator assembly.

e. Installation. Place sealing compound, MIL-S-11031, on threads of screws (fig. B-42, item 1), and secure regulator assembly to housing.

3-8. Replacement of Components of the Purging Valve (Body Assembly, Head Assembly, and Reticle Projector Assembly)

(Figs. B-42, B-4 and B-11)

a. Removal. Remove the valve from the end assembly as a complete unit.

b. Disassembly (Body Assembly, Fig. B-42). Remove cap (8), valve core (9), strap (11), from valve stem (10). Detach strap from cap (8).

c. Disassembly (Head Assembly, Fig. B-4). Remove cap (11), strap (15, valve stem (13), valve core (12) and adapter (14).

d. Disassembly (Reticle Projector Assembly, Fig. B-11). Remove cap (10), valve core (11), strap (13), from valve stem (12).

e. Inspection. Inspect parts of the valve for wear or deterioration. Pay particular attention to the valve core; ensure that it operates smoothly and is free of corrosion. Inspect the cap and stem for worn or damaged threads. Inspect the strap for tears and check that it holds the cap firmly.

f. Cleaning. Remove all traces of sealing compound from valve stem and screw hole.

g. Repair. Repair of the valve is limited to replacement of missing, defective, or damaged parts.

h. Installation (Body Assembly, Fig. B-42). Install strap (11) on valve stem (10). Apply sealing compound, MIL-S-11031, on threads of valve stem and secure valve stem to body assembly. Insert valve core (9) into valve stem. Attach cap (8) to opposite end of strap and thread cap onto valve stem.

i. Installation (Head Assembly, Fig. B-4). Install strap (15) on adapter (14). Apply sealing compound, MIL-S-11031, on threads of adapter (14) and secure adapter to adapter elbow (16). Apply sealing compound, MIL-S-11031, on threads of valve item (13) and secure valve stem in adapter (14). Insert valve core (12) into valve stem. Attach cap (11) to opposite end of strap and thread cap onto valve stem.

j. Installation (Reticle Projector Assembly). Fig. B-11). Install strap (13) on valve stem (12). Apply sealing compound, MIL-S-11031, on threads of valve stem and secure valve stem to reticle projector. Insert valve core (11) into valve stem. Attach cap (10) to opposite end of strap and thread cap onto valve stem.

k. Purging and Charging. After installation, purge and charge assembly (refer to TM 750-116).

3-9. Replacement of Components of Relief Valves and Adapters (Body Assembly, Head Assembly and Reticle Projector Assembly)

(Figs. B-29, B-7 and B-9)

a. Removal.

(1) Remove items 7, 8, and 9 (fig. B-29) from body assembly, as required.

(2) Remove Items 1, 2, and 3 (fig. B-7) from head assembly, as required.

(3) Remove items 5, 6, and 7, (fig. B-9) from reticle projector assembly, as required.

b. Inspection.

(1) Inspect parts for worn or damaged threads.

(2) Inspect valve and adapter for dirt or chips on seals that could cause a loss of nitrogen.

c. Cleaning. Remove all traces of sealing compound from valve, adapter, and screw hole requiring new sealing compound during assembly.

d. Repair. Repair is generally limited to replacement of worn or damaged parts.

*e. Installation (Body Assembly—*Fig. B-29).

(1) Apply sealing compound, MIL-S-11031, on threads of adapter and valve and secure washer (9) and adapter (8) to body assembly.

(2) Thread valve (7) into adapter and tighten.

*f. Installation (Head Assembly—*Fig. B-7).

(1) Apply sealing compound, MIL-S-11030, to cap (3) and, MIL-S-11031, to threads of valve (1).

(2) Secure cap to head with four screws (2) and secure valve to cap.

*g. Installation (Reticle Projector Assembly—*Fig. B-9).

(1) Apply sealing compound, MIL-S-110-31, to threads of adapter and valve, and secure washer (7) and adapter (6) to reticle projector.

(2) Thread valve (5) into adapter and tighten.

h. Purging and Charging. After installation, purge and charge the assembly (refer to TM 750-116).

3-10. Replacement of Lamp Cover, Lamp Hinge and Lamp Catch

(Fig. B-10)

a. Removal.

(1) Release lamp catch (3) and remove two screws (2), lamp catch, and two screws (4) and related part (*).

(2) Remove two screws (5), washers (6) and pin (7) to remove lamp hinge (8) and lamp cover (9).

b. Inspection. Inspect hardware for wear or damage.

c. Installation.

(1) Position lamp cover (9) to lamp hinge (8) and secure wash pin (7); position cover and hinge on reticle projector and secure in place with two washers (6) and two screws (5).

(2) Apply sealing compound, MIL-S-11031 to screws (4) and (2); secure related part (*) to reticle projector with two screws (4); secure lamp catch (3) to lamp cover with two screws (3).

3-11. Replacement of Headrest Assembly

(Fig. B-B-2).

a. Removal. Refer to paragraph 3-4.

b. Disassembly.

(1) Remove two screws (1) and remove molded headrest (2).

(2) Remove screw (3) and separate plate (4) from bracket (15).

(3) Remove spring (7) by removing four screws (5) washers (6).

(4) Remove pin (8), pin (10) lever (11), nut (9), stud (12), and washer (13).

(5) Remove screw (14) and separate brackets (15) and (16).

c. Inspection.

(1) Inspect the general condition of the headrest; check for signs of cracks or deteriorating rubber.

(2) Inspect metal support plate in rear of headrest for rust, or worn threads.

(3) Inspect the screws, nuts, and stud for rust or damaged threads.

(4) Check spring for cracks or loss of tension.

d. Cleaning. Clean headrest with a mild soap and warm water; dry thoroughly. Remove all traces of sealing compound from screws and screw holes.

e. Repair. Repair of headrest assembly in generally limited to the replacement of worn or damaged parts.

f. Assembly.

(1) Aline screw holes in bracket (15) with slot in bracket (16). Place a small amount of sealing compound, MIL–S–11031, on threads of screw (14) and secure the two brackets together.

(2) Position washer (13) on stud (12). Place stud (12) through slot in bracket (16) and hole in bracket (15). Secure stud with nut (9) and pin (8). Secure lever (11) to stud (12) with pin (10).

(3) Apply sealing compound, MIL–S–11031, to threads of screws (5). Position spring (7) on flange of bracket (15) and secure with four screws and lockwashers.

(4) Apply sealing compound, MIL–S–11031, to threads of screw (3) and secure plate (4) to bracket (15).

(5) Apply sealing compound, MIL–S–11031 to threads of screws (1) and secure headrest (2) to bracket (16).

g. Installation. Refer to paragraph 3–4.

3–12. Replacement of Resistor Assembly (Fig. B–3)

a. Removal. Refer to TM 9–2350–232–20–2.

b. Disassembly.

(1) Remove four screws (1) and washers (2). Separate housing (16) with attached parts from plate (12).

(2) Remove two setscrews and remove knob (3). Remove sealnut (4) from shaft of resistor (13).

(3) Remove four screws (5) and pull out connector (7) as far as possible and remove insulation sleeving (6). Unsolder the three wires and remove connector (7) and gasket (8).

(4) Remove cable leads from resistor and remove cable (9) from back of plate. Remove clamp (10) and grommet (11) from plate (12).

(5) Remove resistor (13) and washer (14) from housing (16).

c. Inspection.

(1) Inspect connector for corrosion damaged pins, or any condition indicating deterioration.

(2) Inspect gasket and grommet for tears or deteriorations.

(3) Inspect wires and cable assembly for worn or cracked insulation.

(4) Check resistor for bent or broken shaft, worn threads or broken terminals.

(5) Inspect hardware; check for worn or stripped threads.

d. Cleaning. Remove old sealing compound from surfaces requiring new sealing compound during asssembly. Polish and clean all contact points with a fine crocus cloth or emery paper.

e. Repair. Repair of the resistor assembly is limited to the replacement of missing, defective, or damaged parts.

f. Assembly (Fig. B–3).

(1) Install grommet (11) in place on plate (12).

NOTE

Check electrical continuity prior to assembly of unit.

(2) Place gasket (8) on connector (7). Place cable assembly wires (9) through grommet and plate.

(3) Position insulation sleeving (heat-shrink tubing) (6) on leads to connector (7) and solder cable assembly wires and the loose wire provided to the terminals of resistor (13) and connector (7) using wiring diagram (Fig. 3–1). Replace damaged wire with MIL–W–16878–1.

(4) Place sealing compound, MIL–S–11031 on threads of item 5 and secure connector to housing (16) with four screws (5).

(5) Place a small amount of sealing compound, MIL–S–11031, on threaded shaft of resistor (13). Place lockwasher (14) on resistor shaft and secure resistor to housing with sealnut (4).

(6) Secure knob (3) to shaft of resistor with the setscrews provided and lock in place

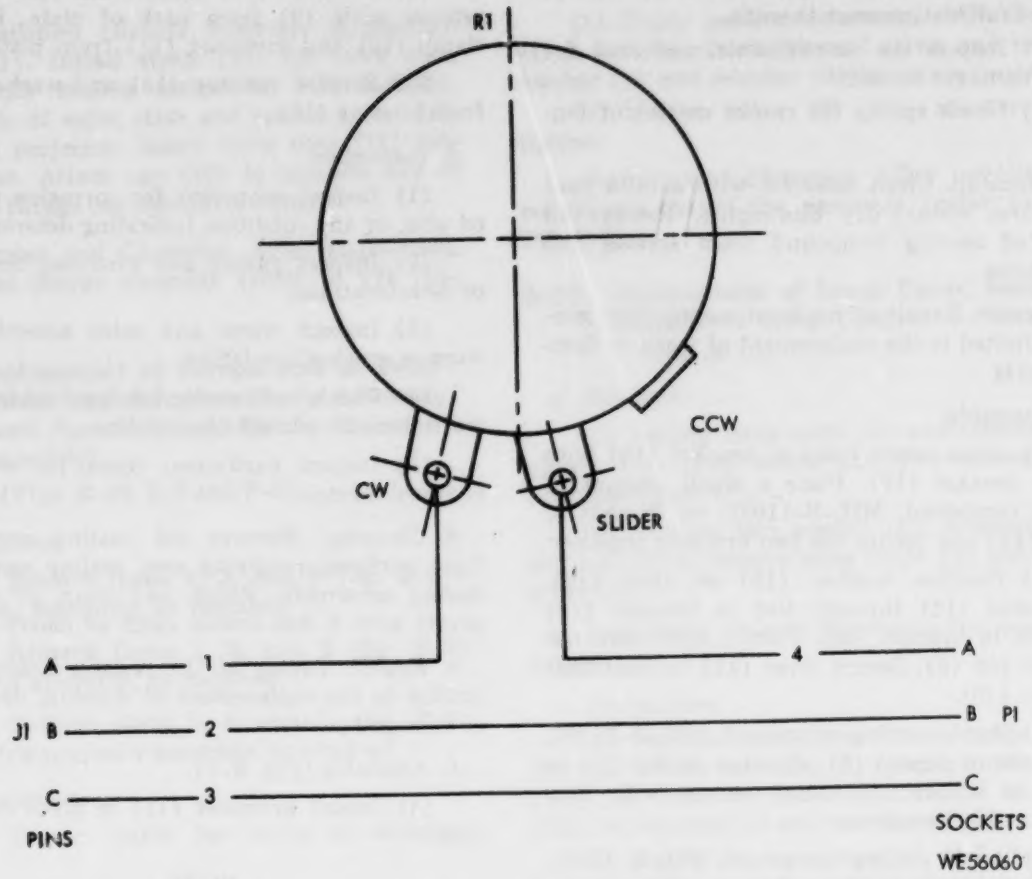


Figure 3-1. Resistor assembly wiring diagram.

with sealing compound, MIL-S-11031, placed on the threads.

(7) Place sealing compound, MIL-S-45180, on machined surface of housing (16) (side facing plate) and secure housing to plate (12) with screws (1) and washers (2), utilizing one of the screws and clamp (10) to also secure the cable assembly (9).

g. Installation. (Fig. B-1). Refer to TM 9-2350-232-20-2.

3-13. Replacement of Potted, Cap, Oscillator, Regulator, Clip, and Cable Assemblies (Tube Assembly)

(Fig. B-49)

a. Removal.

(1) Remove six screws (1), and washers (2), and remove cover (3).

(2) Remove clips (items 4 through 11) and disconnect cable assembly (17) from regulator (13) and cable assembly (16) from cap (14).

(3) Carefully pull items 12 through 15, as a unit, from clip (20).

(4) Unscrew and remove nut (12). Remove cap (14) from inside of nut (12).

(5) Remove oscillator (15) from regulator (13).

(6) Remove screws (18) and washers (19) and remove clip (20).

(7) Clean away sealing compound from cables at feed thru (21) and receptacle (22). Carefully remove cable (17) from receptacle (22) and cable (16) from feed thru (21).

b. Inspection.

(1) Inspect cable assemblies; check for broken or cracked insulation.

(2) Inspect terminals in items 13, 14, and 15; check for corrosion.

(3) Check for cracks on clip that may cause the clip (20) to lose spring tension.

(4) Check hardware for stripped or damaged threads.

(5) Clean and dry cavity and parts as required prior to installation.

c. Repair. If inspection shows damage to items cited, then replacement is necessary.

d. Installation.

(1) Install cable (16) into feed thru (21). Install cable (17) into receptacle (22). Apply sealing compound, MIL-S-11031, to cable at feed thru (21) and receptacle (22) to seal the connections.

(2) Position clip (20) in cavity of tube assembly housing and secure with items 18 and 19.

(3) Insert item 15 inside regulator (13). Place cap (14) inside nut (12). Screw nut into regulator until tight; insert items 12 through 15 into clip (20).

(4) Secure cable assembly (16) to terminal of item 14 (protruding through nut (12). Secure cable assembly (17) to terminal of item 13. Apply sealing compound to threads of screws 5 and 9 and install clips (items 4 through 11).

(5) Apply sealing compound 8030-537-7923 to surface of cover (3) that mates with housing. Secure cover to housing (23) with items 1 and 2.

3-14. Replacement of Cap, Cable Assembly, Clips, and Image Intensified Tube

(Fig. B-44)

NOTE

Refer to paragraph 3-5 for removal of tube assembly.

a. Removal.

(1) Unscrew cap (3) and remove spacer (4) from housing.

(2) Remove items 5 through 12. Detach cable assembly (12) from its respective connector; remove items 14 and 15.

(3) Carefully remove the image intensifier tube (13) from tube housing. Avoid touching the optical elements on each end of the tube.

b. Inspection.

(1) Inspect lens in cap for chips, cracks, or damage that may interfere with the operation or the periscope.

(2) Inspect cable assembly wire for worn or cracked insulation

(3) Check the general condition of the image tube.

c. Repair.

(1) Removal and replacement of items 1 and 2 from item 3 is a depot function. If inspection reveals damage to lens (2), return item 3 with ring (1) and lens (2) installed to depot for service.

(2) If the image intensifier tube was in operable prior to removal, replace tube.

(3) Inspect cable assembly (12) and mounting hardware for damaged, missing, or defective parts. Replace parts as necessary.

d. Cleaning. Prior to installation of the tube assembly, clean exposed optics using the materiels specified in TM 9-254.

CAUTION

Do not under any circumstances, disturb any optical setting.

e. Installation.

(1) Install the image intensifier tube (13) in tube housing, checking that the contact pin and hole in plastic sleeve of image intensifier tube are positioned so that contact can be made with the cable assembly when installed.

(2) Place a small amount of sealing compound, MIL-S-11031, on threads of screws 5, 8, and (14) and secure cable assembly (12) to the tube housing with items 5 through 11 and items 14 and 15. Ensure that contact is made with contact pin of the image intensifier tube. Attach opposite end of cable assembly to its respective connector.

(3) Position spacer (4) in tube housing on top of the image intensifier tube, engaging slot in spacer with the spring of cable assembly to ensure positive seating of the intensifier tube. Screw on cap (3) until threads are tight.

NOTE

Refer to paragraph 3-5 for installation of tube assembly to lower body assembly.

3-15. Replacement of Insulator and Contact From Tube Assembly

(Fig. B-44)

NOTE

See paragraph 3-5 for removal of tube assembly.

a. Removal. Unscrew and remove insulator (17) and contact (18) as a unit. Remove contact (18) from insulator as far as wire will allow. Do not unsolder wire from contact unless damaged.

b. Inspection. Inspect contact for corrosion and check wire for improperly soldered connections. Inspect threads on insulator.

c. Repair.

(1) If inspection reveals wire is not making proper contact, clean and solder wire to contact (18).

(2) Replacement is necessary if items 17 and 18 are damaged.

d. Installation. Place item 18 inside insulator (17) and screw the insulator into housing.

e. Cleaning. Prior to installation of the tube assembly, clean the exposed optics only if necessary, using the materials specified in TM 9-254.

CAUTION

Do not under any circumstances, move or disturb any optical assembly that could cause the instrument to be out of alinement.

NOTE

Refer to paragraph 3-5 for installation of tube assembly to the lower body assembly.

f. Purging and Charging. Purge and charge the body assembly. Refer to TM 750-116.

3-16. Test and Adjustment

The periscope will be checked for all necessary electrical and mechanical functions that have been affected by repair or parts replacement. Use the power supply of the vehicle to energize the image intensifier tube and to energize the lamp to illuminate the reticle. If the periscope fails to operate properly after repair or replacement of parts, return the periscope to a depot shop for further repair or overhaul and requisition a replacement from the supply system.

Section III. PURGING AND CHARGING

3-17. Purging

Purging refers to a procedure developed for the purpose of eliminating the moisture content and contamination of air locked inside of a sealed fire control instrument, by introducing dry nitrogen gas into the interior of the instrument housing and allowing it to escape by means of a vent at the opposite end of the instrument.

3-18. Charging

Charging refers to a process of forcing dry nitrogen gas into a sealed optical instrument at a prescribed pressure for the purpose of determining if the instrument leaks. Optical instruments should be adequately sealed and able to hold a charge for a reasonable length of time. The charge maintains a dry atmosphere inside the instrument to help prevent moisture from collecting on optics and to retard the build-up of other forms of contamination.

3-19. Procedures for Purging and Charging

Refer to TM 750-116.

NOTE

The periscope shall be purged and charged in three steps: Body Assembly; Reticle Projector Assembly; and Head Assembly.

CHAPTER 4

MAINTENANCE OF EQUIPMENT ITEMS USED IN CONJUNCTION WITH PERISCOPE M50

Section I. DESCRIPTION

4-1. General

A description of the associated equipment used with periscope M50 is presented in this section. The equipment consists of a wiper assembly (fig. 4-1), data transmission linkage assembly (fig. 4-2), guard and shield assembly (fig. 4-3), and individual components of the washer pump and reservoir listed and illustrated in Appendix B (fig. B-63).

4-2. Wiper Assembly

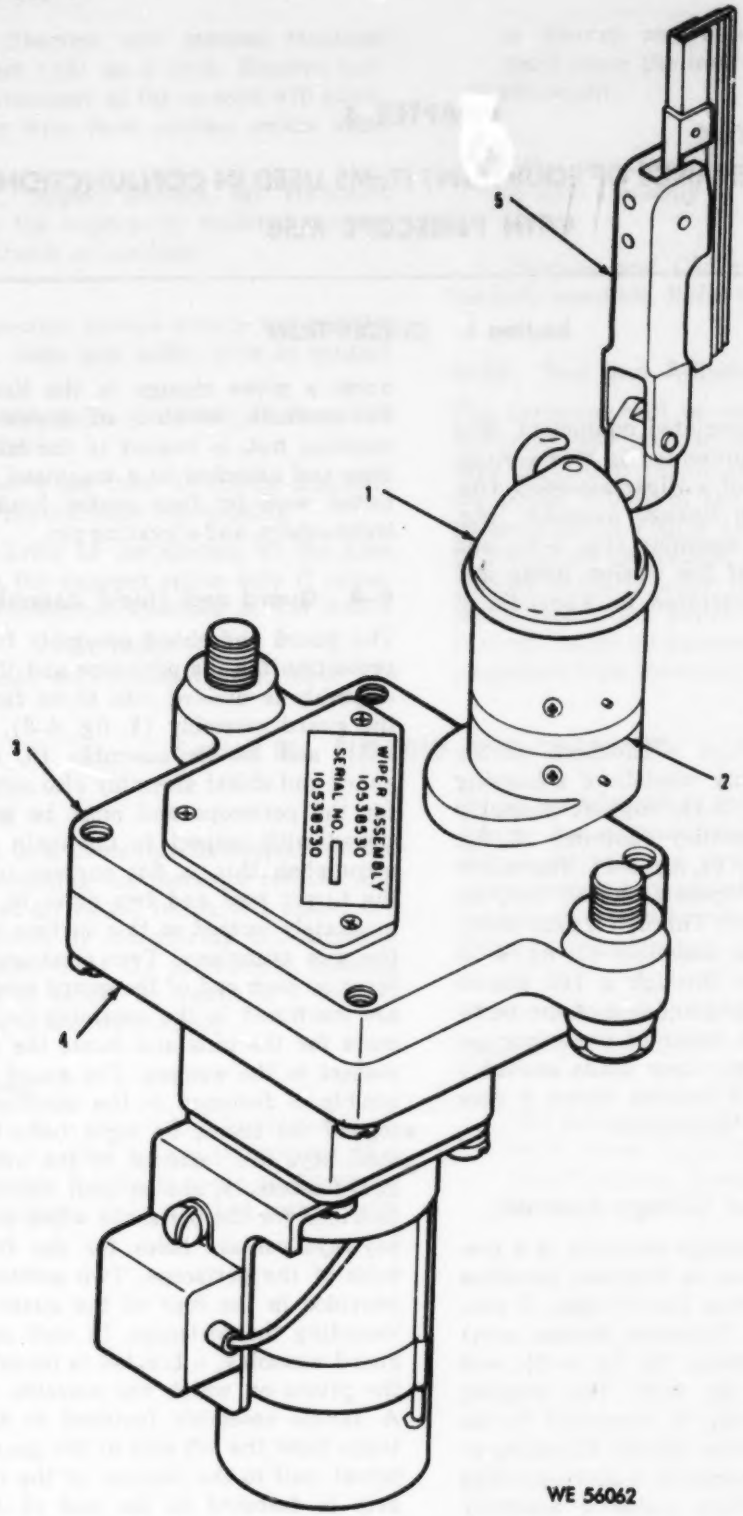
The wiper assembly which is mounted on the guard and shield assembly consists of a housing assembly (top) (1, fig. 4-1), support assembly (2, fig. 4-1, housing assembly (bottom) (3, fig. 4-1), and cover assembly (4, fig. 4-1). The motor of the wiper assembly operates at 30 rpm on 24-28 VDC, vehicle power. Through a gear train, it drives the wiper blade assembly (5, fig. 4-1) in an oscillating motion through a 160 degree arc, 80 degrees to the right and left of the vertical centerline. When the motor of the wiper assembly is turned off, the wiper blade assembly automatically moves to a position where it does not obstruct the vision of the gunner.

4-3. Data Transmission Linkage Assembly

The data transmission linkage assembly is a precision mechanism designed to transmit elevation corrections to the periscope line-of-sight. It consists of a link assembly (trunnion linkage arm) (1, fig. 4-2), arm assembly (2, fig. 4-2), and the shaft assembly (3, fig. 4-2). The coupling shaft of the link assembly is connected to the trunnion of the gun launcher mount. Elevation or depression of the gun transmits a corresponding motion though the linkage coupling assembly (component of the shaft assembly) to the periscope mirror drive system. This movement produces a given change in the line-of-sight. The link assembly, which is adjustable by means of a coupling nut, is located to the left of the periscope and attached to a machined surface of the turret wall by four socket head screws, four lockwashers, and a locating pin.

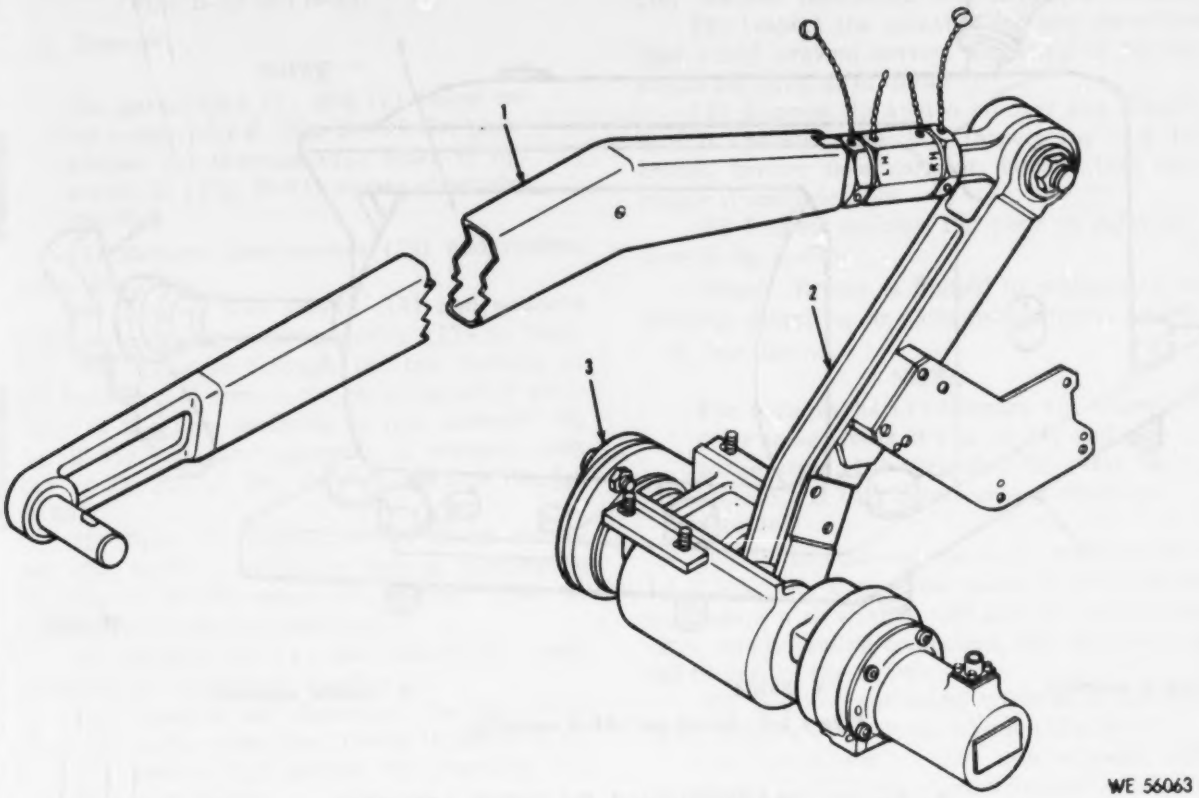
4-4. Guard and Shield Assembly

The guard and shield assembly furnish exterior protection for the periscope and the gunner. The assembly is divided into three functional units; the guard assembly (1, fig. 4-3), shield (2, fig. 4-3), and handle assembly (3, fig. 4-3). The guard and shield assembly also acts as the mount for the periscope and must be accurately positioned with respect to the main armament. To accomplish this, a flat surface is machined on the turret roof and two drive fit steel pins are accurately located on this surface with respect to the gun trunnions. Two rectangular slots, centered on each end of the guard mounting surface, are machined in the assembly to form the keyways for the pins and locate the periscope with respect to the weapon. The guard and shield assembly is fastened to the machined surface on top of the turret by eight bolts. Two stainless steel keys are fastened to the underside of the guard assembly, one on each side of the opening provided for the periscope wiper assembly. These keyways contain holes for the front mounting bolts of the periscope. Two additional holes are provided in the rear of the guard assembly for mounting the periscope. In each end wall of the guard assembly, a bracket is mounted containing the pivots on which the movable shield rotates. A handle assembly fastened to the shield, extends from the left side of the guard through the turret wall to the interior of the turret. A hand grip is fastened to the end of this assembly. The handle locks the shield, and must be pulled outward (to the left) before it can be actuated.



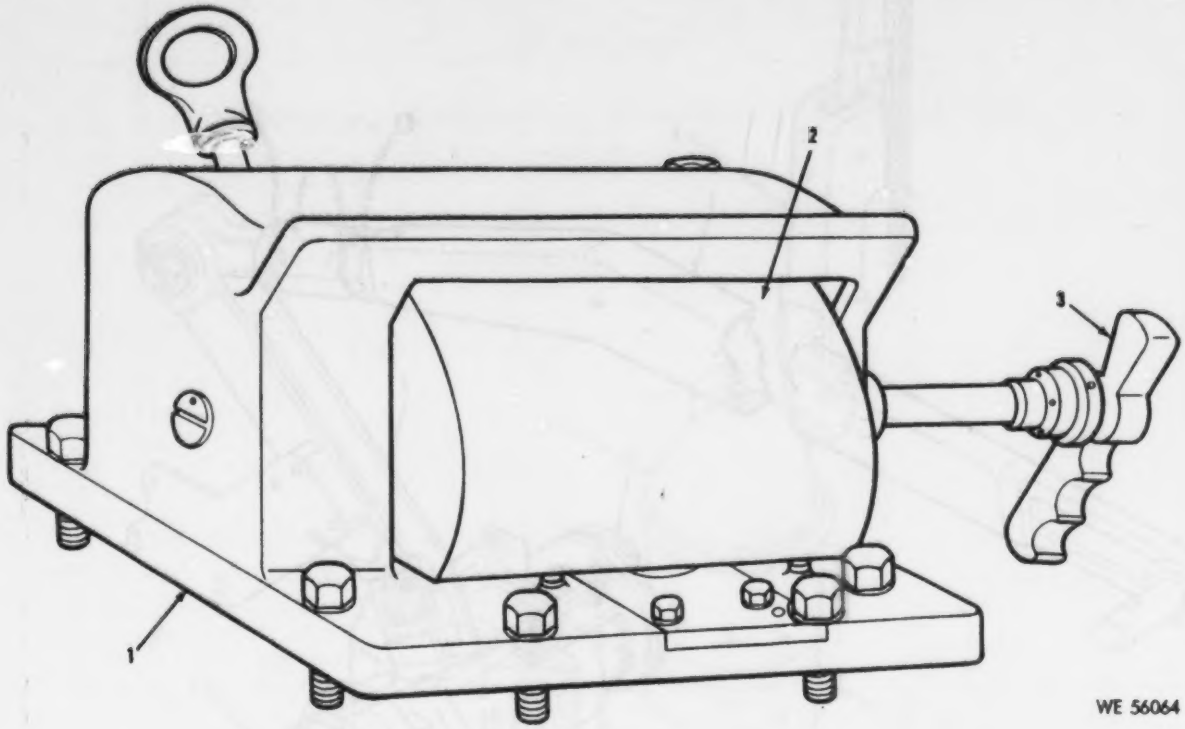
1 Housing assembly (top)
2 Support assembly
3 Housing assembly (bottom)
4 Cover assembly
5 Wiper blade assembly

Figure 4-1. Wiper assembly.



1 Link assembly
2 Arm assembly
3 Shaft assembly

Figure 4-2. Data transmission linkage assembly.



1 Guard assembly 2 Shield 3 Handle assembly

Figure 4-3. Guard and shield assembly.

Section II. MAINTENANCE OF WIPER ASSEMBLY

4-5. Inspection

a. Note general appearance as an indication of the condition of the materiel and the type of treatment it has received.

b. Other equipment must be clean and free from dirt and grit.

c. Inspect painted surfaces for nicks, bare spots, or a damaged finish that exposes the base metal surface.

d. Inspect the condition of the rubber on the wiper blade. Check for cracks, breaks, or other signs of deterioration.

e. Ensure that the wiper blade assembly is properly and securely mounted on the housing drive shaft.

f. Check the arm assembly for proper spring tension and that the wiper blade is properly pressed against periscope window. TM 9-2350-232-20-2 contains specific instructions for checking the arm assembly for proper spring tension.

g. Check the condition of the motor wiring to ensure that wires are not bare, loose, or broken.

4-6. Troubleshooting

Table 4-1 lists troubleshooting procedures for the wiper assembly. For troubleshooting performed by operator and organizational maintenance, refer to TM 9-2350-232-10 and TM 9-2350-232-20-2.

NOTE

TM 9-2350-232-20-2 contains specific wiper assembly removal and installation instructions.

4-7. Replacement of Wiper Blade Assembly (Figs. B-50 and B-51)

a. Removal. Refer to TM 9-2350-232-20-2.

b. Installation. Refer to TM 9-2350-232-20-2.

4-8. Replacement of Motor Assembly, Electrical Receptacle Connector, Actuator, Switch, and Packing

(Figs. B-50 and B-54)

a. Removal.

NOTE

For paragraphs (1) and (2) below refer to appendix B (Fig. B-50); for paragraphs (3) through (11) refer to appendix B (Fig. B-54) unless otherwise specified.

(1) Remove three screws (19) and remove plate (20).

(2) Remove four screws (14) and washers (15) securing the cover assembly (17) to housing (16). Observe through the top opening of the housing and remove the cover assembly carefully so the arm assembly is not damaged (6, fig. B-53). The arm assembly is engaged with the crank pin of the crank assembly (2, fig. B-54).

(3) Prior to removal of the crank assembly (2), scribe a reference line in relation to the housing of the motor (9), so that it can be returned to its original position.

(4) Remove pin (1) and remove the crank assembly (2) from shaft of motor.

(5) Unsolder and disconnect the two wires from the radio noise filter (refer to figure 4-4).

(6) Remove four screws (3), washers (4), and remove the motor.

(7) Detach bracket (8) by removing two nuts (5), screws (6), and washers (7) from radio noise filter (component of motor).

(8) Unsolder the wires from the electrical receptacle connector (16). Remove four screws (11), and remove the connector.

(9) Unsolder the wires from switch (20).

(10) Remove two screws (17), washers (18), and remove actuator (19), and switch (20).

(11) Do not remove items 21 through 24 unless damaged. In the event adapter (24) must be removed, scribe a reference line on item 24 and its mating housing. Remove item 24 by removing two screws (21) and washers (22) and (23).

(12) If replacement of packing (8, fig. B-51) is required refer to TM 9-2350-232-20-2 for instructions on removal of wiper blade assembly. Remove retainer (7, fig. B-51), then remove packing.

b. Inspection.

(1) Inspect the motor for exterior damage, burned, broken, or bare wires. Check for bent shaft. Inspect the radio noise filter for similar exterior damage.

(2) Inspect the connector for bent or broken pin, cracked insulation, and defective threads.

(3) Inspect the actuator for any distortion that would prevent correct mounting of the actuator for tripping of the switch.

(4) Depress the switch plunger and observe that it operates smoothly. Inspect the case for cracks, broken terminals, or damage that may render it unserviceable.

(5) Inspect packing for wear or deterioration (8, fig. B-51).

c. Repair. Repair is limited to replacement of missing, defective, or damaged authorized parts.

d. Installation.

NOTE

For paragraphs (1) through (9) below refer to appendix B (fig. B-54) and for paragraphs (10) through (12) refer to appendix B (fig. B-50) unless otherwise specified.

(1) If item 24 was removed, install the item by alining the scribe line made at disassembly, and secure with washers (23 and 22), and screws (21). Apply sealing compound, MIL-S-11031, on the threads of the screws.

(2) Position and solder wires to switch (20) in accordance with wiring diagram (fig. 4-4).

(3) Install switch (20) and actuator (19) to adapter (24). Place a small amount of sealing compound, MIL-S-11031, on the threads of screws (17), and secure the switch and actuator with items 17 and 18.

(4) Place insulation sleeving (12) over wires and solder wires 13, 14 and 15) to pins of connector (16) in accordance with wiring diagram (fig. 4-4).

(5) Place a small amount of sealing compound, MIL-S-11031, on the threads of screws (11). Coat the mating surface of connector (16) with a light coat of grease, MIL—G4343, and secure the connector to cover (26) with item 11.

(6) Attach bracket (8) to the radio noise filter of the motor assembly (9), and secure with crews (6), washers (7), and nuts (5).

(7) Place a small amount of sealing compound, MIL-S-11031, on the threads of screws (3). Coat the mating surface of motor (9) with a light coat of grease, MIL-G-4343, and secure the motor and bracket (8) to cover (26) with items 3 and 4.

Table 4-1. Troubleshooting Wiper Assembly

Malfunctions	Probable cause(s)	Corrective action(s)
Wiper smears window.	Defective wiper blade assembly.	Replace (refer to TM 9-2350-232-20-2).
Blade assembly not firmly against window.	Defective wiper blade assembly.	Replace (refer to TM 9-2350-232-20-2).
Wiper blade fails to operate.	a. Faulty actuator. b. Faulty switch.	a. Replace (para 4-8). b. Replace (para 4-8).
Wiper motor does not operate.	a. Faulty motor. b. Faulty connection or damaged pin on electrical receptacle connector.	a. Replace (para 4-8). b. Check connections to connector and pins for damage. Replace electrical receptacle connector (para 4-8).
Interference in the communication system when wiper motor is operating.	Defective radio noise filter.	Replace motor assembly (para 4-8).

(8) Attach and solder the two wires to the terminals of the radio noise filter in accordance with the wiring diagram (fig. 4-4).

(9) Position the crank assembly (2) on shaft of the motor, and aline the reference line made in *a*(3) above. Secure the crank assembly on shaft of motor with pin (1).

(10) Place cover assembly (17) (fig. B-50) on housing assembly (16). While observing through the top opening of the housing, ensure that the crank pin located on the crank assembly (2, fig. B-54) is engaged with the slot in the arm assembly (6, fig. B-53) and that the short end of the crank pin of crank assembly is towards the back of the wiper assembly.

(11) Place a small amount of sealing compound, MIL-S-11031, on the threads of screws (14), (fig. B-50), secure the cover assembly (17) to housing assembly (16) with four washers (15) and four screws (14).

(12) Place a small amount of sealing compound, MIL-S-11031, on the threads of screws (19) and secure plate (20) to housing assembly (16).

(13) Coat packing (8, fig. B-51) with grease, MIL-G-4343 and secure in housing assembly (top) with retainer (7, fig. B-51).

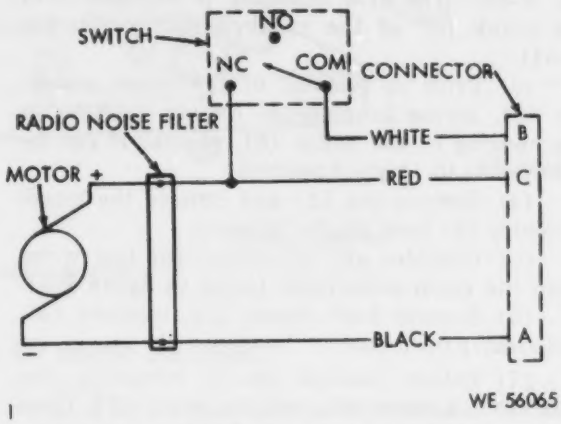


Figure 4-4. Wiper assembly wiring diagram.

Section III. MAINTENANCE OF DATA TRANSMISSION LINKAGE ASSEMBLY

4-9. Removal of Data Transmission Linkage Assembly From Vehicle

NOTE

Prior to removal of the data transmission linkage assembly from the vehicle, follow the preliminary procedures listed below: (reference TM 9-2350-232-20-2 for location of switches).

1. Turn off turret/cupola power switch.
2. Turn off turret power switch.
3. Turn off master (battery) switch.
4. Remove the periscope from the installed position. (Reference TM 9-2350-232-20-2 for removal procedure).
5. Disconnect M126 telescope from the eyepiece hanger assembly. Carefully lower and brace the eyepiece assembly. (Reference TM 9-2350-232-20-2).

a. Removal.

(1) Disconnect electrical connection (1, fig. 4-5) from synchro assembly and also disconnect electrical connection (2, fig. 4-5) from the micro switch attached to top of the data transmission linkage housing.

(2) Disengage the coupling shaft of the link assembly (16, fig. B-55) (trunnion linkage arm) from the trunnion of the gun launcher mount by removing four socket head screws, lockwashers, and pin.

NOTE

Reference TM 9-2350-232-20-2 for location of gun launcher mount.

(3) Remove the data transmission linkage as-

sembly by removing the four socket head screws and four washers (3, fig. 4–5) securing the assembly to the turret roof.

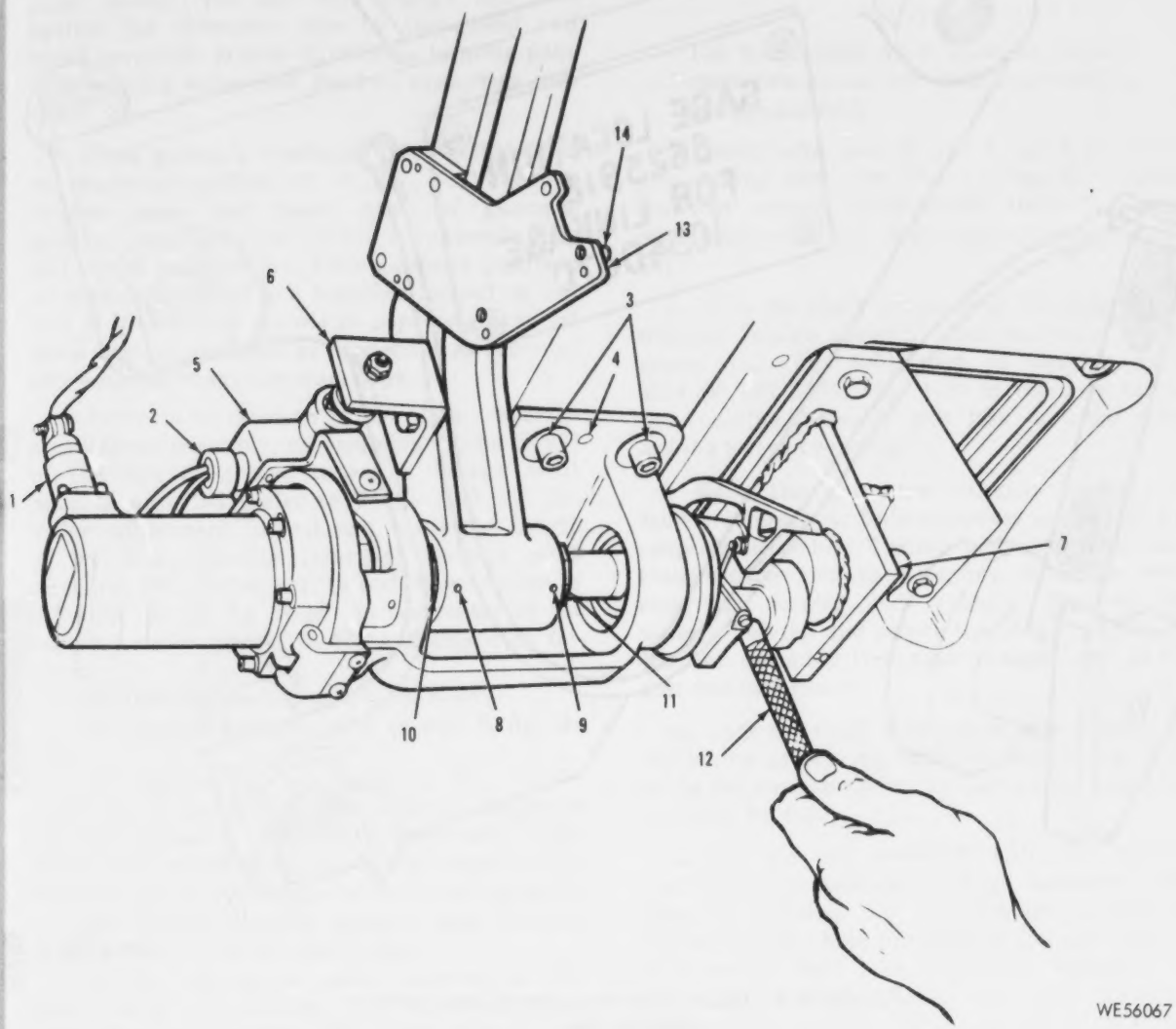
(4) Do not remove pin (4, fig. 4–5) unless damaged.

4–10. Installation of Data Transmission Linkage Assembly

Install data transmission linkage assembly as follows:

Note. Data transmission linkage assemblies are pinned individually during the original installation and are not readily interchangeable between vehicles. If a data transmission linkage is removed from a vehicle for repair, and upon completion of repair is to be installed in the same vehicle, then the installation procedure would be in the reverse order of removal as cited in paragraph 4–9. However, if a replacement data transmission linkage assembly is issued, follow the installation procedures listed below.

a. Remove the old pin (4, fig. 4–5) from the turret roof and discard.



1. Synchro electrical connection
2. Micro switch electrical connection
3. Data transmission linkage mounting hardware
4. Pin
5. Micro switch bracket
6. Micro switch stop bracket
7. Spacer data transmission gage (gage location)
8. Setscrew
9. Setscrew
10. Grip spring nut
11. Grip spring nut
12. Spacer (part of item 7)
13. Plate (for mounting M13A1 quadrant)
14. Locating pin (2)

Figure 4–5. Removal, installation, and alinement of data transmission linkage assembly.

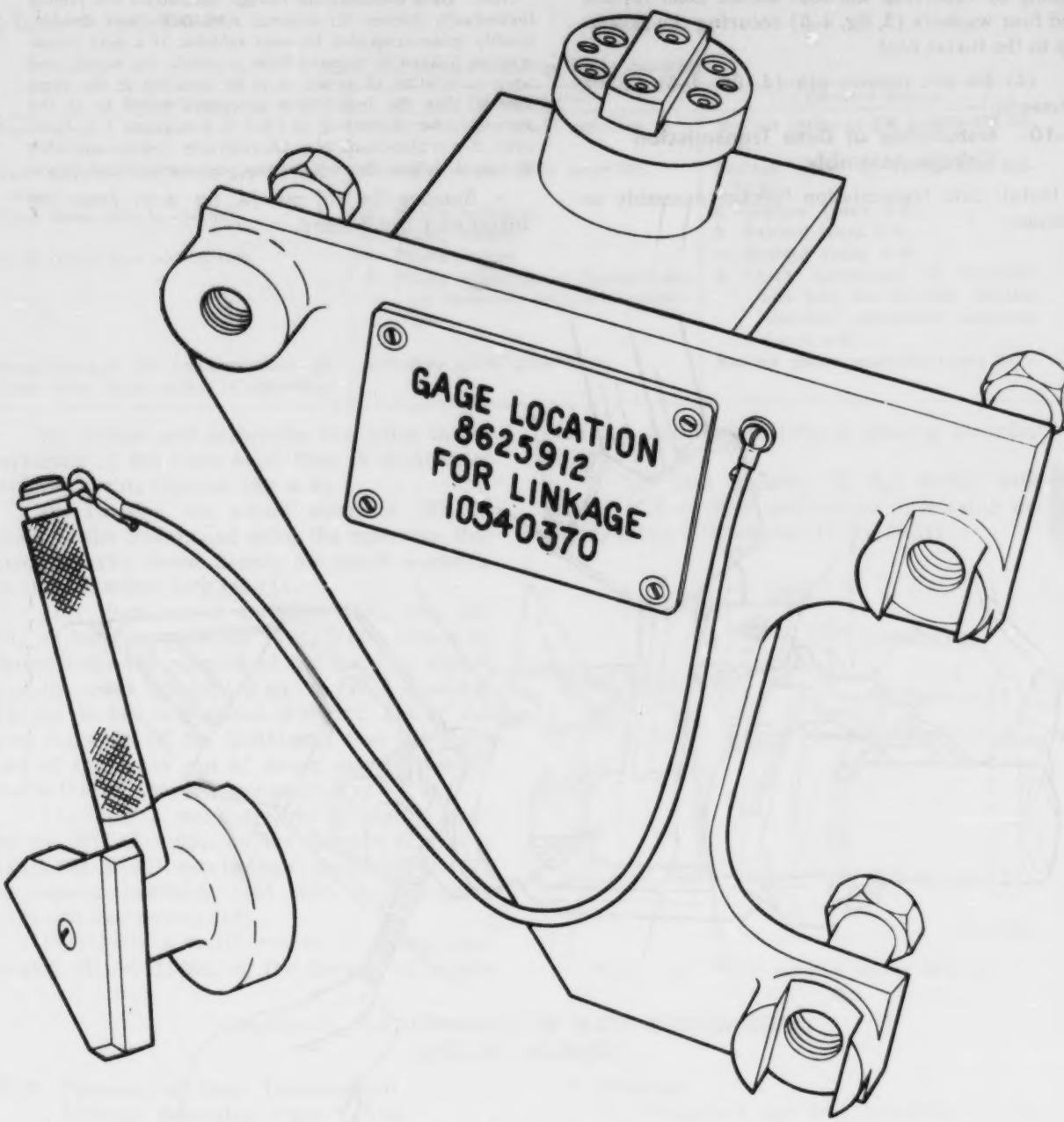


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Figure 4–6. Data transmission spacer gage (linkage location gage).

b. Remove the M13A1 elevation quadrant mounted on the arm assembly of the unserviceable data transmission linkage assembly, and secure the quadrant to the arm assembly of the replacement assembly with the same screws and washers used at removal. Use two pins (14, fig. 4–5) for locating the quadrant in place.

c. Remove the micro switch with bracket (5, fig. 4–5) (located on top of the data transmission linkage housing) and micro switch stop bracket (6, fig. 4–5) located on the arm assembly, and secure the micro switch with bracket and also the micro switch stop bracket to the replacement assembly

using the same screws and washers used at removal.

d. Remove periscope from the installed position. (Reference TM 9-2350-232-20-2 for removal procedure).

e. Install the linkage location gage (Fig. 4-6) on the same machined surface of the guard and shield assembly, provided for the periscope as shown in figure 4-5. Position the linkage locating gage; ensure that key slots engage and butt against the alinement keys on the guard and shield assembly. Secure the linkage locating gage with locating screw and the two capscrews provided.

f. Place gunner's quadrant 1290-00-891-9999 on machined surface of (7, fig. 4-5) linkage location gage and rotate knob of gunners' quadrant until the level bubble is centered. Note and record knob setting. Place gunner's quadrant on machined rail of gun launcher located on left side of breech, and elevate or depress gun to set same angle of elevation or depression as recorded above for the linkage location gage.

g. Prior to installation of the data transmission linkage assembly, the coupling (7, fig B-57) of the link assembly (trunnion linkage arm) must be adjusted (refer to TM 9-2350-232-20-2 for adjustment procedures) until the length of the link assembly (trunnion linkage arm) measures 40.5 inches ±1/16 inch from center of eccentric pin 15, fig. B-55) to the center of the coupling shaft (12, fig. B-57) and adjust as follows:

(1) Remove seals (4 and 5, fig. B-57).

(2) Loosen hexagon nuts (6 and 8, fig. B-57).

(3) Rotate the coupling (7, fig. B-57) clockwise or counterclockwise until the length of the link assembly (trunnion linkage arm) measures 40.5 ±1/16 inches from the center of the eccentric pin to the center of the coupling shaft.

(4) Tighten the two hexagon nuts loosened in (2) above to lock the link in place.

(5) Do not install seals removed in (1) above until boresighting and synchronization procedures described in TM 9-2350-232-10 and TM 9-2350-232-20-2 have been completed.

h. Install the data transmission linkage assembly to machined surface on the turret roof. Place the linkage data transmission assembly elongated screw holes in the center and secure (but do not tighten) with four screws and washers (3, fig. 4-5).

NOTE

Elongated screw holes in housing of the data transmission linkage assembly permit lateral adjustment to properly accomodate the periscope.

i. Place the coupling shaft (12, fig. B-57) of the link assembly to gun launcher mount and secure (but do not tighten) with four socket-head screws and lockwashers that are provided with the gun launcher mount.

NOTE

TM 9-2350-232-20-2 contains adjustment procedures for data transmission linkage assembly.

j. Loosen setscrews (8 and 9, fig. 4-5) loosen grip spring nuts (10 and 11, fig. 4-5) using crowfoot wrench, 5120-00-293-1009. This permits rotation of the shaft assembly (5, fig. B-56).

k. With the shaft assembly of the data transmission linkage assembly free to rotate, insert spacer (12, fig. 4-5) part of location gage, 4931-00-087-2051, (fig. 4-6) in the dove tail of the coupling assembly and lock in place using locking lever of coupling.

l. Move the data transmission linkage assembly laterally to fully compress springs of the coupling assembly. Tighten and secure the data transmission linkage assembly with the four mounting screws and washers. Remove the spacer. Tighten and secure the coupling shaft of the link assembly (trunnion linkage arm) to the gun launcher mount.

m. Lock the shaft assembly in this position by tightening gripspring nuts (10 and 11, fig. 4-5) using the crowfoot wrench. Tighten the setscrews (8 and 9, fig 4-5).

n. Use the pin provided with the replacement data transmission linkage assembly, drill hole for housing pin in machined surface of turret. Use the hole provided in linkage housing as a guide. Drill hole 15/64-inch diameter by 3/4-inch in depth. Ream hole with 1/4-inch reamer. Pin housing with 1/4-inch by 3/4-inch pin.

o. Remove the linkage location gage.

p. Attach the eyepiece assembly of the telescope M126 to the hanger assembly.

q. Reference TM 9-2350-232-10 for adjustment of the M13A1 elevation quadrant.

r. Reference TM 9-2350-232-20-2 for installation of the periscope.

s. Reference TM 9-2350-232-20-2 for adjustment of the synchro assembly.

t. Reference TM 9-2350-232-10 for boresighting and TM 9-2350-232-20-2 for the synchronization procedure.

4-11. Inspection

a. Note general apppearance as an indication of the condition of the materiel and the type of treatment it has received.

b. Check the exterior of material for dents, bent or broken parts, missing parts, corrosion, and freedom without any binding.

c. The linkage must rotate freely without any binding.

d. Check all painted surfaces for bare spots, deep scratches that penetrate to the bare surface, or loose paint which could lead to corrosion.

e. The locking wire securing the boot (11, fig. B-58) to the shaft (18, fig. B-58) shall be tight to prevent foreign matter and moisture from entering mechanism.

f. The boot shall not be cracked, torn, or deteriorated.

g. The equipment must be clean and free from dirt and grit.

4-12. Troubleshooting

Table 4-2 lists troubleshooting procedures for the data transmission linkage assembly. For troubleshooting performed by operator and organizational maintenance, refer to TM 9-2350-232-10 and TM 9-2350-232-20-2.

NOTE

Repair of the data transmission linkage assembly in most instances cannot be performed while it is in the installed position. Removal instructions for the linkage data transmission from the vehicle are contained in paragraph 4-9 and installation instructions are contained in paragraph 4-10.

4-13. Replacement of Insert and Eccentric from Arm Assembly (Fig. B-55)

a. Removal.

(1) Remove nut (4) from eccentric (15) and remove washer (5).

(2) Remove four screws (6), washers (7), and remove items 8 through 10.

(3) Remove nut (11) and items 12 through 14.

(4) Carefully remove eccentric (15) and at the same time disengaging the link assembly (16) from the arm (2, fig. 4-2).

b. Inspection.

(1) Inspect hardware; check for stripped threads on screws.

(2) Check the general condition of the parts that were removed. Pay particular attention to the eccentric (15). Ensure that it is free of burrs so that it can be rotated freely when installed.

c. Repair.

(1) If inspection shows damage to the authorized parts to be beyond repair, then replacement is necessary.

(2) Remove burrs with a fine file.

(3) Soak bearings in a container using dry cleaning solvent, P-D-680, to remove dirt and grit that could prevent bearings from rotating smoothly. Lubricate with MIL-S-23827.

d. Installation.

(1) Position link assembly (16) in place on the arm (2, fig. 4-2). Lightly lubricate eccentric (15) with aircraft and instrument grease, MIL-S-23827 and install in place connecting the link assembly to arm.

(2) Install items 10, 9, and 8 on arm and secure with washers (7) and screws (6).

(3) Install washer (5) and secure with nut (4).

(4) Install items 14, 13, and 12 on eccentric (15) and secure with nut (11).

e. Adjustments. Upon installation, refer to TM 9-2350-232-20-2 for adjustment of the eccentric in the installed position in the vehicle.

4-14. Replacement of Synchro Transmitter (Fig. B-55).

a. Removal.

(1) Back off the screws (17 and 18).

(2) Remove two screws (19), and washers (20), and remove bracket (21)

Table 4-2. Troubleshooting.

Malfunctions	Probable cause(s)	Corrective action(s)
Link assembly does not move freely	*a.* Worn or broken bearing. *b.* Bent eccentric.	*a.* Replace linkage (fig. B-57). *b.* Replace eccentric (fig. B-55, para 4-13).
Incorrect or no output from synchro transmitter.	Defective synchro transmitter.	Replace synchro transmitter (fig. B-55, para 4-14).
Coupling assembly lever does not maintain a steady position.	Broken spring.	Replace spring (fig. B-59, para 4-16).

(3) Loosen screw on clamp (25).

(4) Remove four screws (22), and washers (23 and 24), and carefully remove the synchro transmitter (26).

(5) Remove the clamp (25) from its mating coupling.

b. Inspection.

(1) Inspect the general condition of the synchro transmitter and the kind of treatment it has received. If the synchro transmitter was inoperable prior to removal then replacement is necessary.

(2) Inspect hardware; check for burred, worn, or stripped threads on screws.

c. Repair. Repair is limited to the replacement of authorized parts.

d. Installation.

(1) Place clamp (25) on its mating coupling and carefully position the synchro transmitter (26) in place on linkage housing, making sure that the rotary shaft of the synchro fits into the coupling. Secure the synchro transmitter to housing with washers (24 and 23), and screws (22). Tighten screw on clamp (25) thereby securing the rotary shaft of the synchro transmitter to the coupling.

(2) Secure bracket (21) to underside of linkage housing with washers (20) and screws (19). Place a small amount of sealing compound, MIL-S-11031, on the threads of screw (17 and 18), and tighten the screws until snug against machined flat on the synchro transmitter.

e. Adjustments. Upon installation, refer to TM 9-2350-232-20-2 for the adjustments to be performed on the synchro transmitter in the installed position in the vehicle.

4-15. Replacement of Components of Shaft Assembly

(Fig. B-58)

NOTE

It is not necessary to remove the shaft assembly (15, fig. B-56) from its housing in order to perform the following repair.

a. Removal.

(1) Remove wire (1) holding the boot (11) in place and push the boot over the slider (13).

(2) Hold the coupling assembly (3) in against the slider and remove the self-locking screws (2). Before removing the coupling assembly, carefully insert the holddown fork, 4931-00-065-0536, (Fig. 4-7) between the coupling assembly (3) and the slider (13) by straddling the coupling assembly lugs to retain pressure on the two plungers (4 and 6) and spring (5 and 7).

(3) Remove the coupling assembly (3) with the holddown fork still attached to the coupling lugs. Care must be taken when removing this assembly as plungers (8 and 10) and spring (9) will fall free. To avoid losing these parts, place hand under coupling assembly.

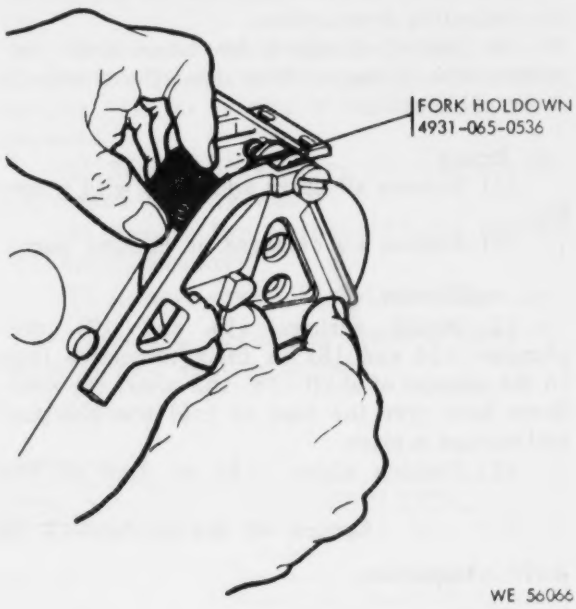


Figure 4-7. Removal of coupling assembly.

(4) Slide the holddown fork off the lugs of the coupling assembly (3) one at a time. Take special precaution by holding finger against plungers (4 and 6), that are under spring tension, to prevent losing the plungers and springs (5 and 7). Remove the plungers and springs.

(5) Remove the boot (11) from slider (13).

(6) Hold slider (13) against the adapter of shaft (18). Remove two self-locking screws (12). Carefully insert the holddown fork between the slider (13) and the shaft (18) by straddling the lugs on the adapter of shaft to retain pressure on the two plungers (14 and 16) and springs (15 and 17).

(7) Remove the slider (13). Carefully slide the holddown fork off the lugs one at a time. Take special precaution by holding fingers against plungers (14 and 16), that are under spring tension to prevent losing the plungers and springs (15 and 17). Remove the plungers and springs.

b. Inspection.

(1) Inspect the general condition of the coupling assembly. Pay particular attention for small nicks and burrs on the coupling assembly lugs and the mating slots and lugs for the slider.

(2) Check the helical compression springs for cracks, breaks, or compression.

(3) Check the boot for cuts or any condition indicating deterioration.

(4) Inspect plungers for burrs that may prevent the plungers from free movement in cavity of slider.

c. Repair.

(1) Remove all burrs and nicks with a fine file.

(2) Replace all damaged or missing parts.

d. Installation.

(1) Install springs (15 and 17) and plungers (14 and 16) in their respective lugs on the adapter of shaft (18) and insert the holddown fork over the lugs to hold the plungers and springs in place.

(2) Position slider (13) on lugs of the adapter located on shaft (18). Hold the slider in this position, and remove the holddown fork. Secure slider with screws (12).

(3) Place boot (11) over the slider, flat side first. Assembly plungers (10 and 8) and spring (9) and insert in untapped hole in slider.

(4) Install springs (5 and 7), and plungers (4 and 6) in the lugs of the coupling assembly (3). Insert the holddown fork over the lugs to hold the plungers and springs in place.

(5) With the holddown fork still attached to the coupling lugs, position the coupling lugs into the slots of the slider. Care must be exercised during this operation to avoid cocking of spring (9) and plunger (8).

(6) Remove holddown fork while pressing coupling assembly (3) against the slider (13) and secure the coupling assembly by installing the two self-locking screws (2).

(7) Pull flat portion of boot (11) up over the adapter flange of shaft (18) and position the opposite end of the boot onto the coupling. Secure the boot with wire (1).

4–16. Replacement of Coupling Assembly
(Fig. B–59)

a. Removal. Refer to paragraph 4–15 for the removal of the coupling assembly.

b. Disassembly. Remove items 1 and 2. Remove the lock nut (3) separating the coupling (6) from lever (7). Remove screw (4) and spring (5).

c. Inspection.

(1) Inspect coupling plate for nicks and burrs.

(2) Check spring for loss of tension.

(3) Check hardware for stripped or damaged threads.

d. Repair.

(1) Remove burrs and nicks with a fine file.

(2) Repair is limited to the replacement of missing or damaged authorized parts.

e. Assembly. Insert spring (5) in place on lever (7). Position and aline coupling (6) against the lever and secure with screw (4) and locking nut (3). Install items 1 and 2.

Section IV. MAINTENANCE OF GUARD AND SHIELD ASSEMBLY

4–17. Inspection

a. Note general appearance as an indication of the condition of the materiel and the type of treatment it has received.

b. The equipment must be clean and free from dirt and grit.

c. Inspect painted surfaces for nicks, bare spots, or a damaged finish that exposes the base metal surface.

d. The shield must rotate freely without finding when the shield handle is actuated.

4-18. Troubleshooting

Table 4-3 lists troubleshooting procedures for the guard and shield assembly. For troubleshooting performed by operator and organizational maintenance, refer to TM 9-2350-232-10 and TM 9-2350-232-20-2.

NOTE

Repair of the guard and shield assembly in most instances can be performed while it is in the installed position. TM 9-2350-232-20-2 contains specific removal/installation instructions.

4-19. Replacement of Components of Handle Assembly

(Fig. B-60)

NOTE

In order to accomplish repair to items 7 through 10, and shaft (18) of the handle assembly, it is first necessary to remove the guard and shield assembly and the periscope from the vehicle. Reference TM 9-2350-232-20-2 for the removal instructions and the preliminary procedures to be followed prior to removal of the assembly.

a. Removal.

(1) From outside of vehicle turret wall, remove set screw (6) from shoulder of shaft (18). Remove screw item 7, at the same time holding adapter (8) to prevent spring (10) and plunger (9) from flying out. Remove the adapter and items 9 and 10.

(2) From inside of vehicle turret wall, remove setscrew (11) securing nut (12) to shaft (18). Remove nut (12), washer (13), spring (14), and slide out handle (15). Do not remove pin (16) unless damaged. Remove key (17). Do not remove items 20 through 23 unless damaged.

(3) From outside of vehicle turret wall, remove shaft (18). Do not remove bearing (19) unless damaged.

b. Inspection.

(1) Inspect the removed items for burrs, nicks, or stripped threads.

(2) Check the spring for compression.

c. Repair. Repair is limited to the replacement of missing or damaged authorized parts.

d. Installation.

(1) From outside of vehicle turret wall, install shaft (18). Install plunger (9) and spring (10) in adapter (8) and secure adapter to shaft with screw (7); place a small amount of sealing compound, MIL-S-11031, on threads of the screw. Install setscrew (6) on shaft.

(2) From inside of vehicle turret wall, install key (17) in place on handle (15) and position the handle on shaft (18) ensuring that key fits into keyway slot of shaft. Install spring (14), washer (13), and nut (12), on to shaft and secure with setscrew (11).

NOTE

Reference TM 9-2350-232-20-2 for installation instructions for the guard and shield assembly and periscope.

4-20. Replacement of Pivot, Bushing, Ring, and Sleeve

(Fig. B-61)

a. Removal.

(1) Remove setscrew (1) and remove pivot (2).

(2) Remove shield (3) by sliding shield towards the left side to disengage the shield from adapter (8). Do no remove bushing (4) unless damaged.

(3) Remove three screws (5), washers (6), and remove items 7, 8, and 9.

(4) Remove two screws (10) and washers (11) only if necessary.

(5) Remove screw (12) and stop (13).

b. Inspection. Inspect the removed items for burrs, nicks, or stripped threads.

c. Repair.

Table 4-3. Troubleshooting

Malfunction	Probable cause(s)	Corrective action(s)
Handle assembly does not properly actuate the shield.	*a.* Broken spring.	*a.* Replace spring (para 4-19, fig. B-60).
	b. Pivot not correctly set.	*b.* Set pivot (para 4-20, fig. B-61).
Actuation of handle assembly fails to open or close shield.	*a.* Missing key.	*a.* Replace key (para 4-19, fig. B-60).
	b. Broken or damaged adapter.	*b.* Replace adapter (para 4-19, fig. B-60).

(1) Remove all burrs and nicks with a fine file.

(2) Replace all damaged or missing authorized parts.

d. Installation.

(1) Insert stop (13) and secure with item (12).

(2) Place sealing compound, MIL-S-11031, on the threads of screws (5), and install items 9, 8, and 7, and secure with washers (6) and screws (5). After screws (5) have been installed, fill the cavity with sealing compound, MIL-S-11031.

(3) Install shield (3). Ensure that the keyway of shield engages with the key of adapter (8). Secure the shield with pivot (2). If necessary, adjust pivot so that the shield can be elevated or depressed freely without binding. Place sealing compound, MIL-S-11031, on the threads of setscrew (1) and install in place securing item 2. After setscrew (1) has been installed, fill the cavity with sealing compound, MIL-S-11031.

CHAPTER 5

FINAL INSPECTION

Section I. GENERAL

5-1. Scope

Final inspection of the periscope and its associated equipment is performed after repair has been completed to ensure that the instrument is serviceable according to standards established in Chapter 2.

5-2. Purpose

Satisfactory completion of initial inspection listed in table 2-4, plus final inspection standards contained in this chapter, will certify the periscope and its associated equipment as completely serviceable for return to user.

Section II. INSPECTION OF PERISCOPE

5-3. Completeness

The periscope must be complete (figs. 1-1 and 1-2) with all necessary screws, nuts, and washers in place and secured.

5-4. Definition

The image of a 1000 meter target through the daylight or passive system shall be sharp and clear when checked with the aid of dioptometer, 4931-00-536-5557.

5-5. Parallax

Parallax shall not be in excess of the thickness of one reticle line (0.10 mil) when viewing a target at 1000 meters plus or minus 100 meters through the daylight system.

5-6. Focus Knob (Passive System)

Rotation of the focus knob from stop-to-stop shall bring targets located from a distance of 50 meters to infinity into sharp focus.

5-7. Flip Mirror Lever

The flip mirror levers shall operate smoothly and lock in detent at each position.

5-8. Resistor Assembly

Rotation of resistor knob shall increase or decrease the illumination of the reticle pattern. Refer to paragraph 3-12 for replacement instructions.

5-9. Lamp Cover

The lamp cover shall be mechanically operable to facilitate replacement of the reticle lamp.

5-10. Purging and Charging

If inspection reveals evidence of moisture or condensation in periscope head, body, or reticle projector assembly, purge and charge in accordance with procedures in TM 750-116.

Section III. INSPECTION OF ASSOCIATED EQUIPMENT

5-11. Wiper Assembly

a. The wiper assembly must be complete (fig. 4-1) with all necessary screws, nuts, seals, and washers in place and secured.

b. There shall be no bare spots exposing base metal, corrosion, or other evidence of damage or misuse on the exterior surfaces.

c. The wiper assembly exterior wiring, c · re-

ceptable shall show no signs of deterioration or wear.

d. With the motor of the wiper assembly energized (24 to 28 VDC), the wiper blade shall oscillate through a 160 degree arc, 80 degrees to the left and right of the vertical center line. The wiper blade shall not smear or scratch the periscope window. When the voltage to the motor is turned off, the wiper blade must automatically move to a position where it will not obstruct the vision of the gunner.

5–12. Data Transmission Linkage Assembly

a. The data transmission linkage assembly shall be complete (fig. 4–2) with all necessary screws, nuts, seals, and washers in place and secured.

b. The bearings shall be clean and free of dirt and grit.

c. The linkage shall rotate freely without any binding.

d. The coupling shaft of the link assembly (trunnion linkage arm) shall rotate freely without any binding.

e. The threads of the coupling nut shall not bind, be worn or damaged in any way that would interfere with lengthening or shortening the link assembly.

f. The coupling nut shall not rotate when the two locking nuts and seals are secured in place.

5–13. Guard and Shield Assembly

a. The guard and shield assembly shall be complete (fig. 4–3) with all necessary screws, washers, and nuts in place and secured.

b. There shall be no bare spots exposing base metal, corrosion, or other evidence of damage.

c. Mounting surfaces shall be free of paint, burrs, or other deformities that would prevent proper seating of mating parts.

d. Actuation of the handle assembly shall close or open the shield.

5–14. Washer Pump and Reservoir

a. The washer pump and reservoir shall be complete (B–63, App B).

b. The strainer shall be clean, the cover shall fit properly on the reservoir, and the reservoir must not leak.

c. The pump, when actuated, must disperse fluid, MIL–A–8243, to the periscope window.

d. The tubing shall not be cut or show signs of deterioration.

CHAPTER 6

PROCESSING AND PACKAGING

6–1. General

Both serviceable and unserviceable periscopes M50 will be packaged and protected in such a manner as to preclude additional damage during transit and storage.

6–2. Procedure

In support of direct exchange, repair and return to use of shipment between DS and GS units and depots perform the following:

a. For optical items: cover all external optics with at least four thicknesses of lens tissue and secure with water-resistant, pressure-sensitive tape; cover the lens tissue with cellulosic cushioning material and secure with water-resistant, pressure-sensitive tape.

b. For mechanical/mechanical-optical items: in addition to a above, secure all moving parts such as, level vial covers and knobs with pressure-sensitive tape.

c. For electrical/electronic items: cover with a cellulosic cushioning material and secure with water-resistant, pressure-sensitive tape.

d. All unserviceable materiel mentioned in *a* through *c* above shall be packaged in a container of suitable size, braced, and cushioned to preclude additional damage during transit or storage.

6–3. Marking Containers

Container or package exteriors will be marked to identify contents, serviceability status, Federal stock number, a caution note to handle carefully, and arrows to indicate upright transit and storage position.

APPENDIX A

REFERENCES

A–1. Supply Publications

The following Department of the Army Supply Publications pertain to repair of this materiel:

Abrasive materials	C5350–IL–A
Brushes, Paints, Sealers and Adhesives	C8000–IL–A
Disks and Stones, Abrasive	C5345–IL–A
Fire Control Maintenance and Repair Shop Specialized Equipment Tool Set, DS, GS and Depot Maintenance, General Purpose Tools (4931–574–6433)	SC 4931–95–CL–J51
Fire Control Maintenance and Repair Shop Specialized Equipment Wrench Set, Spanner DS, GS and Depot Maintenance: Tubr, Dble-End Concave Inserted Blade; Set of 76 Wrenches (4931–580–0012)	SC 4931–95–CL–J52
Purging Kit, Fire Control (4931–065–1110)	SC 4931–95–CL–J54
Miscellaneous Chemical Specialities	C6800–IL
Miscellaneous Hardware	C5340–IL–A
Fuels, Lubricants, Oils and Waxes	C9100–IL
Shop Set, Instrument and Fire Control, Field Maintenance: Basic Less Power (4931–754–0740)	SC 4931–95–CL–A07
Tool Kit, Fire Control Instrument Repairman (4931–947–8243)	SC 4931–95–CL–A09

A–2. Other Publications

a. General.

Accident Reporting and Records	AR 385–40
Direct Support Maintenance Activities	FM 29–23
Federal Supply Code for Manufacturers—United States and Canada—Code to Name (Cataloging Handbook H 4–2)	SB 708–42
General Support Maintenance Activities	FM 29–24
The Army Maintenance Management Systems (TAMMS)	TM 38–750

b. Maintenance.

Adhesive, Rubber Base, General Purpose	MIL–A–5092
General Maintenance Procedures for Fire Control Materiel	TM 9–254
Grease, Pneumatic Systems	MIL–G–4343
Grease, Aircraft and Instrument, Gear and Actuator Screw	MIL–G–23827
Operator's Manual for Tank, Combat, Full Tracked: 152mm Gun Launcher M60A2	TM 9–2350–232–10
Organizational Maintenance Manual (Turret) for Tank, Combat, Full Tracked: 152 mm Gun Launcher M60A2	TM 9–2350–232–20–2
Purging and Charging of Fire Control Instruments	TM 750–116
Recommended Changes to DA Publications	DA Form 2028
Sealing Compound, Non-Curing (Polysulfide Base)	MIL–S–11030
Sealing Compound, Adhesive Curing (Polysulfide Base)	MIL–S–11031

c. Operations.

Northern Operations	FM 31–71
Operation and Maintenance of Army Materiel in Cold Weather (0° to —65° F)	TM 9–207

d. Shipment and Storage.

Part, Equipment and Tools for Army Material, Packaging and Packaging of	MIL–P–14232/10539750

APPENDIX B

REPAIR PARTS AND SPECIAL TOOLS LIST

This Appendix is current as of 28 December 1973

Section I. INTRODUCTION

B-1. Scope

This appendix lists repair parts, special tools, and support equipment required for the performance of direct support, general support, and depot maintenance of the periscope M50.

B-2. General

This repair parts and special tools list is divided into the following sections.

a. Repair Parts List—Section II. A list of repair parts authorized at the direct support, general support, and depot levels for the performance of maintenance. This list also includes parts which must be removed for the replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence with parts in each group listed in figure and item number sequence.

b. Special Tools List—Section III. A list of special tools, test, and support equipment authorized for the performance of maintenance at the direct support and general support levels.

c. National Stock Number and Reference Number Index—Section IV. A list, in ascending numerical sequence, of all National stock numbers appearing in the listings followed by a list, in alphameric sequence, of all reference numbers appearing in the listings. National stock numbers are cross-referenced to each illustration figure and item number appearance.

B-3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings.

a. Source, Maintenance, and Recoverability Codes (SMR).

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are:

Code	*Explanation*
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded "PA" except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue, or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at direct support level.
MH	Item to be manufactured or fabricated at general support level.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support.
AH	Item to be assembled at general support.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not intended for procurement and is not stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturers part number.

(2) *Maintenance codes.* Indicates the levels of maintenance authorized to use and repair support items.

(a) *Use code.* Indicates the lowest maintenance level authorized to remove, replace, and use the support item. Use codes are:

Code	Explanation
C	Used to denote crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced and used at the organizational level of maintenance.
F	Support item is removed, replaced and used at direct support.
H	Support item is removed, replaced and used at general support.
D	Support item is removed, replaced and used at depot only.

(*b*) *Repair code.* Indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). Repair codes are:

Code	Explanation
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is direct support.
H	The lowest maintenance level capable of complete repair of the support item is general support.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
Z	Nonrepairable.

(3) *Recoverability codes.* Indicates the disposition action on unserviceable items. Recoverability codes are:

Code	Explanation
Z	Nonrepairable item. When unserviceable, condemn and dispose at the level authorized to replace the item.
F	Repairable item. When uneconomically repairable, condemn and dispose at direct support level.
H	Repairable item. When uneconomically repairable, condemn and dispose at general support level.
D	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Repairable item. Repair, condemnation and disposal not authorized below depot/specialized repair activity level.
A	Item requires special handling or condemnation procedure because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

b. National Stock Number. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

c. Description. Indicates the Federal item name and a minimum description required to identify the item. The last line indicated the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parenthesis. The FSCM is used as an element in item identification to designate manufacturer or distributor Government agency, etc., and is identified in SB 708–42.

d. Unit of Measure (U/M). Indicates the standard of basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation, e.g., ea, in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown in the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A V appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, e.g., shims, spacers, etc.

f. Allowance Columns. The allowance columns are left blank intentionally. The maintenance level code indicates that the item is authorized for use at that category. Direct support and general support maintenance parts will be requisitioned on an "as required" basis until authorized stockage levels are established based on demand criteria.

g. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* Indicates the callout number used to reference the item on the illlustration.

B–4. Special Information

a. Action change codes indicated in the left-hand margin of the listing page denote the following:

N—Indicates an added item.
C—Indicates a change in data.
R—Indicates a change in NSN only.

b. To maintain disassembly sequence in this manual, a number in parentheses will be displayed immediately to the right of the callout number on the illustration.

B-5. How to Locate Repair Parts

a. When National Stock Number or Reference Number is Unknown:

(1) *First.* Using the table of contents determine the functional or subfunctional group within which the repair part belongs, i.e., engine, engine assembly, transmission, transmission assembly. This is necessary since illustrations are prepared for functional and subfunctional groups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional or subfunctional group to which the repair parts belongs.

(3) *Third.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) *Fourth.* Using the repair parts listing, find the functional or subfunctional group to which the repair parts belong and locate the illustration figure and item number noted on the illustration.

b. When National Stock Number or Reference Number is Known.

(1) *First.* Using the index of National stock numbers or reference numbers find the pertinent National stock number and reference number. This index is in ascending NSN sequence followed by a list of reference numbers in ascending alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the repair parts listing, find the functional or subfunctional group of the repair part and the illustration figure number and item number referenced in the index of National Stock numbers and reference numbers.

B-6. Abbreviations

AL ALY	aluminum alloy
BSC	basic
CRES	corrosion-resistant steel
CSKH	countersunk head
HLCL	helical
PNH	pan head
PSVT FNSH	passivated finish
UNC	unified coarse thread
UNF	unified fine thread

Section II. REPAIR PARTS LIST

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			M50 PERISCOPE												
N	PA FZ Z	5305-00-939-9188	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 1/2 IN. L MS35275-263 (96906)	EA	9									B-1	1
C	PA FZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	13									B-1	2
C	PA FZ Z	5305-00-132-1465	SCREW, MACHINE: CRES, PSVT FNSH, NO. 10-24UNC-2A, 5 3/4 IN. L 10539306 (19200)	EA	1									B-1	3
C	PA FD L	1240-00-930-6736	HEAD ASSEMBLY: 10539747 (19200)	EA	1									B-1	5
N	PA DZ Z	5315-00-899-3103	PIN, STRAIGHT, HEADLESS: DOWEL CRES, 0.1875 IN. DIA, 0.500 IN. L MS9390-30 (96906)	EA	2									B-1	6
N	PA FZ Z	5330-00-133-1965	PACKING, PREFORMED: SYNTH RBR, 6.984 IN. ID 10540280-14 (19200)	EA	1									B-1	7
C	PA DZ Z	5305-00-925-4777	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/8 IN. L MS35275-231 (96906)	EA	3									B-1	8
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	3									B-1	9
	XB D...	----------	CASE, FILTER: 11731866 (19200)	...	1									B-1	10
C	PA OZ Z	1240-00-004-4335	FILTER: ASSY, BND 10556618 (19200)	EA	1									B-1	11
C	PA FZ Z	5305-00-939-9189	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 5/8 IN. L MS35275-264 (96906)	EA	3									B-1	12
C	PA FF Z	1240-00-495-0462	HEADREST ASSEMBLY: 11728517 (19200)	EA	1									B-1	14

| | | |

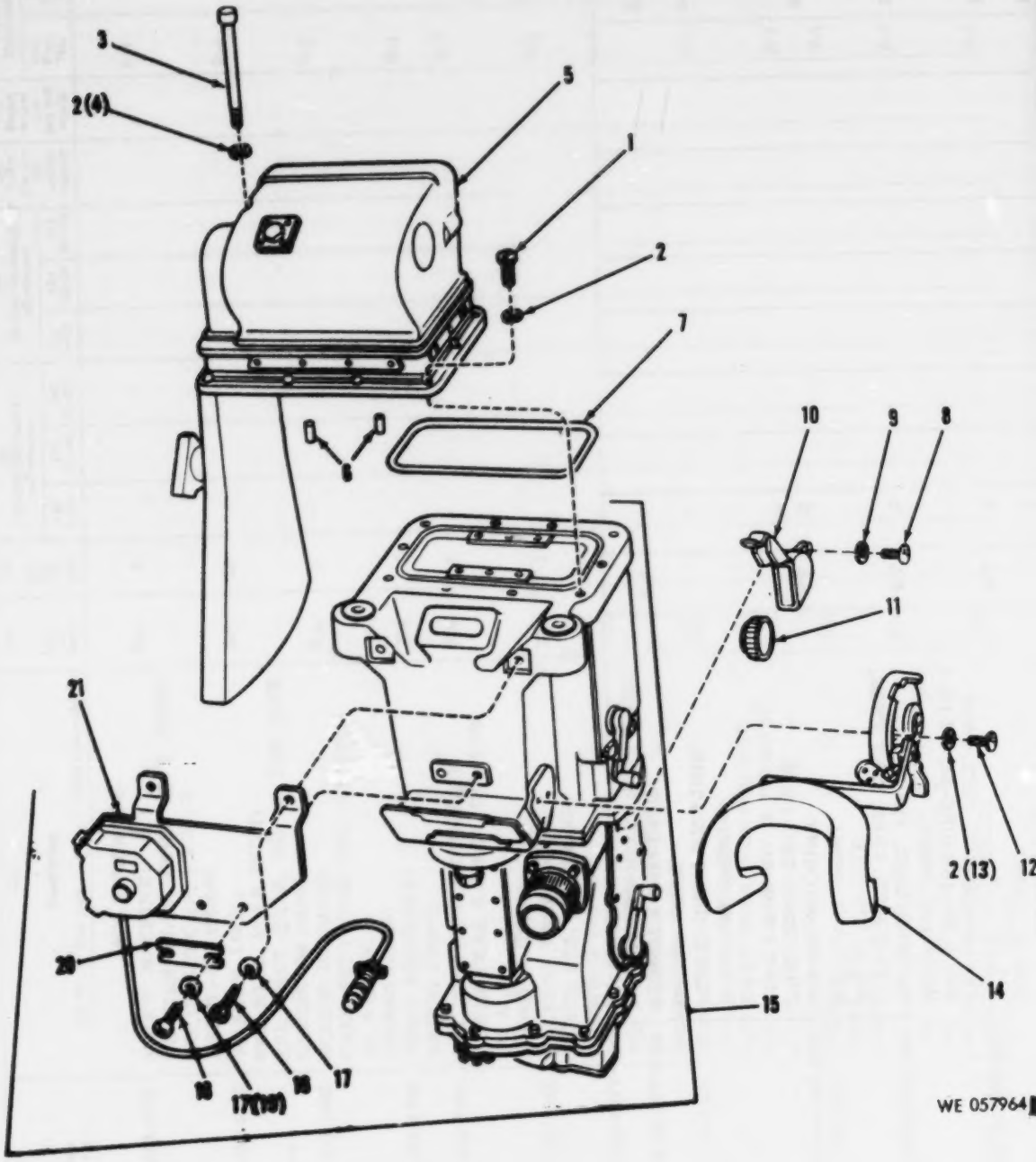


Figure B-1. M50 periscope.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEADREST ASSEMBLY											B-2	1
C	PA OZ Z	5305-00-984-7345	SCREW, MACHINE: FL CSKH, CROSS-REC, CS, CD PL NO. 1/4-28UNF-2A, 3/8 IN. L MS35191-287 (96906)	EA	2										
C	PA OZ Z	1240-00-138-8438	HEADREST ASSEMBLY: 11728518 (19200)	EA	1									B-2	2
C	PA FZ Z	5305-00-930-6781	SCREW, SPECIAL: CRES, 1/4-28UNF-3A THD 10539253 (19200)	EA	1									B-2	3
	XA		PLATE: 11728519 (19200)		1									B-2	4
C	PA FZ Z	5305-00-054-5647	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51957-13 (96906)	EA	4									B-2	5
C	PA FZ Z	5310-00-938-8118	WASHER, LOCK: SPR, HLCL, RGLR (MED) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	4									B-2	6
C	PA FZ Z	1240-00-472-4444	SPRING, FLAT: 11728569 (19200)	EA	1									B-2	7
C	PA FZ Z	5315-00-807-7684	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 5/16 IN. L MS16555-603 (96906)	EA	1									B-2	8
C	PA FZ Z	5310-00-930-6766	NUT, PLAIN, ROUND: CRES, 5/16 IN. DIA, NO. 10-32UNF-3B THD, 0.160 IN. THK 10539255 (19200)	EA	1									B-2	9
C	PA FZ Z	5315-00-841-5416	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 1/2 IN. L MS16555-606 (96906)	EA	1									B-2	10
C	PA FZ Z	1240-00-930-6759	LEVER, HEADREST: 10539342 (19200)	EA	1									B-2	11
C	PA FZ Z	5315-00-143-5977	STUD: 10539254 (19200)	EA	1									B-2	12
C	PA FZ Z	5310-00-209-1239	WASHER, LOCK, FLAT: CRES, EXT TOOTH NO. 10 SCR SIZE MS35335-60 (96906)	EA	1									B-2	13

Actn chag code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEADREST ASSEMBLY—Continued												
C	PA FZ Z	5305-00-143-2339	SCREW, SHOULDER: 10539252 (19200)	EA	1									B-2	14
	XA	. . . . .	BRACKET: ASSY, BRZ 11728593 (19200)		1									B-2	15
	XA	. . . . .	BRACKET: ASSY, WLD 10539532 (19200)		1									B-2	16

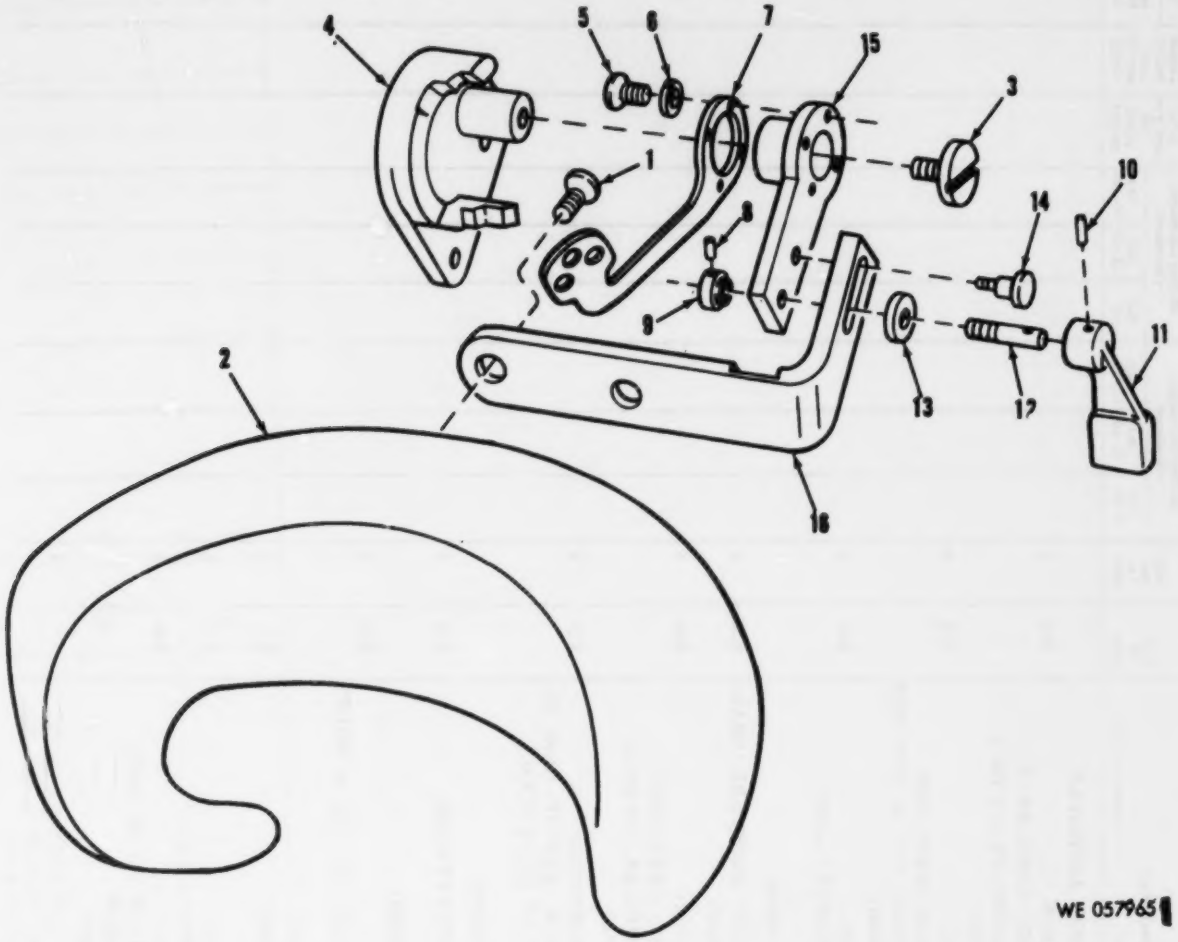


Figure B-2. Headrest assembly.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty ine in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip century	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RESISTOR ASSEMBLY												
C	PA FZ Z	5305-00-050-9229	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 10-24UNC-2A, 1/2 IN. L MS51957-63 (96906)	EA	4									B-3	1
C	PA FZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MED) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	4									B-3	2
C	PA OZ Z	5355-00-133-2093	KNOB, CONTROL: PLSTC, RND, POINTER ASSY, W/2 SSCR MS91528-3N4B (96906)	EA	1									B-3	3
N	PA FZ Z	5930-00-823-0482	BOOT, DUST AND MOISTURE SEAL: M5423-09-02 (81349)	EA	1									B-3	4
C	PA FZ Z	5305-00-054-5647	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51957-13 (96906)	EA	4									B-3	5
	MF F		INSULATION SLEEVING: HT SHRINKABLE, EXP ID 0.093 IN. (SEE CL1, WHT IN BULK ITEMS LIST) MIL-I-23053/2 (81349)	FT	V									B-3	6
C	PA FZ Z	5935-00-964-5470	CONNECTOR, RECEPTACLE, ELECTRIC: MS3112E8-3P (96906)	EA	1									B-3	7
C	PA FZ Z	5330-00-905-9174	GASKET: SYNTH RBR, 0.875 IN. SQ, 4 HOLES 0.031 IN. THK MS51007-1 (96906)	EA	1									B-3	8
C	PA FZ Z	5995-00-484-1108	CABLE ASSEMBLY: 10552801 (19200)	EA	1									B-3	9
C	PA FZ Z	5340-00-559-6128	CLAMP, LOOP: MS21919G2 (96906)	EA	1									B-3	10
C	PA FZ Z	5325-00-839-7208	GROMMET: SYNTH RBR, SPLIT, 1/4 IN. THK, 3/16 IN. GROOVE W MS35490-25 (96906)	EA	1									B-3	11
	XB F		PLATE: 10552757 (19200)		1									B-3	12

C	PB FZ Z	5905-00-683-2592	RESISTOR, VARIABLE: WIRE WOUND, POWER TYPE, 100 OHMS, 100W RP251FD101KK (81349) 10552752 (19200)	EA	1								B-3	13
N	PA FZ Z	5310-00-193-7446	WASHER, LOCK: INT. TOOTH 11729379 (19200)	EA	1								B-3	14
	XB F...	.....	PLATE, INSTRUCTION: 10552753 (19200)	...	1								B-3	15
C	PA FZ Z	1240-00-400-2558	HOUSING: 10552798 (19200)	EA	1								B-3	16

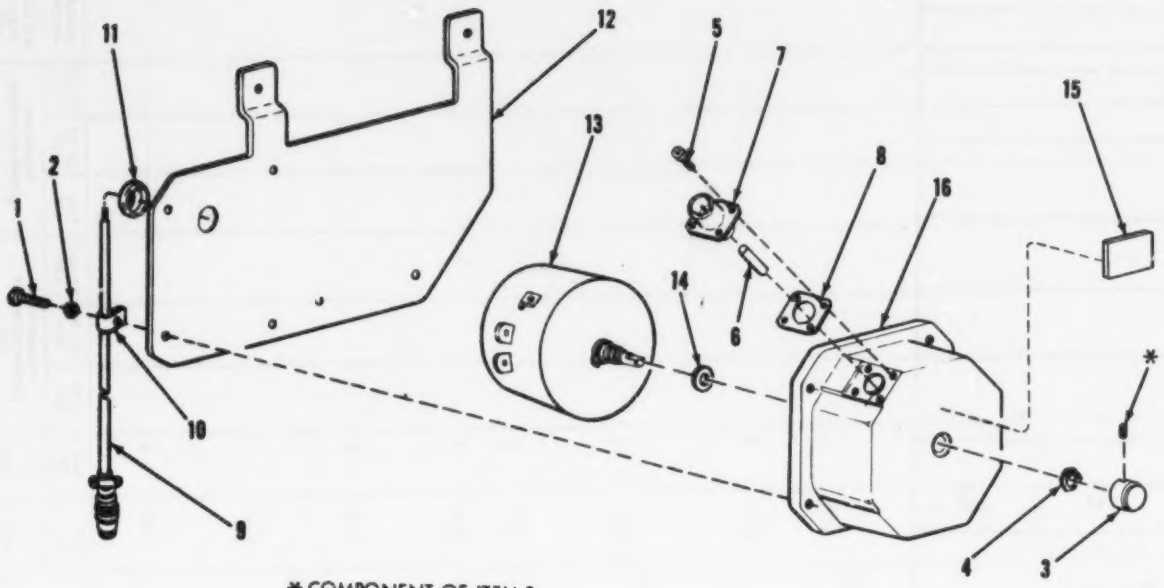


Figure B-3. Resistor assembly.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEAD ASSEMBLY—PARTIAL EXPLODE												
C	PA FZ Z	5305-00-941-3551	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS35275-213 (96906)	EA	18									B-4	1
	XB D		STRIP: CRES, 1/16 IN. THK, 13/32 IN. W, 7-3/16 IN. L, 6 HOLES 10539310 (19200)		2									B-4	2
	XB D		STRIP: CRES, 1/16 IN. THK, 13/32 W, 3-1/2 IN. L, 3 HOLES 10539311 (19200)		2									B-4	4
N	PA FZ Z	5330-00-250-2125	SEAL: SYNTH RBR 8-1/2 IN. DIA 10539498 (19200)	EA	1									B-4	5
C	PA FZ Z	5305-00-770-2533	SCREW, MACHINE: FL CTSK HD, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51959-13 (96906)	EA	10									B-4	6
N	PA DZ Z	1240-00-930-6770	PLATE: 10539497 (19200)	EA	1									B-4	7
N	PA DZ Z	1240-00-930-6794	WINDOW OPTICAL INSTRUMENT: OPT GL, POL, 0.375 IN. THK, 4.560 IN. W, 7.465 IN. L 10539489 (19200)	EA	1									B-4	8
N	PA DZ Z	5305-00-272-4123	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 6-32UNC-3A, 1/4 IN. L MS51021-23 (96906)	EA	1									B-4	9
N	PA DZ Z	5315-00-143-5958	PIN, ECCENTRIC: 10552792 (19200)	EA	1									B-4	10
C	PA FZ Z	2640-00-507-9260	CAP, TIRE VALVE: 8200055 (19200)	EA	1									B-4	11
C	PA FZ Z	2640-00-060-3543	CORE, VALVE: PNEU TIRE, STD BORE, 0-200 PSI, CL 3, SHORT MS51377-2 (96906)	EA	1									B-4	12
C	PA FZ Z	2640-00-114-1096	STEM, PURGING VALVE: W/FLTR, CRES MS51607-1 (96906)	EA	1									B-4	13

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEAD ASSEMBLY—PARTIAL EXPLODE—Conthinued												
C	PA DZ Z	4730-00-003-1077	ADAPTER: 11731871 (19200)	EA	1									B-4	14
C	PA FZ Z	1240-00-455-1487	STRAP: 11729354 (19200)	EA	1									B-4	15
C	PA DZ Z	1240-00-003-8408	ADAPTER: 11731872 (19200)	EA	1									B-4	16
N	PA DZ Z	5305-00-765-4348	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1 IN. L. MS51959-34 (96906)	EA	1									B-4	17
N	PA DZ Z	5305-00-719-5064	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1/2 IN. L MS51959-30 (96906)	EA	2									B-4	18
N	PA DZ Z	5305-00-763-6963	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 6-32UNC-2A, 3/8 IN. L MS51959-28 (96906)	EA	2									B-4	19
	XB D...	.....	COVER: 10539495 (19200)		1									B-4	20
N	PA DZ Z	5305-00-912-4837	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 1/2 IN. L MS35276-264 (96906)	EA	4									B-4	21
C	PA DZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	4									B-4	22
	XB D..	....	HOUSING: 10539639 (19200)	...	1									B-4	23
C	PA DZ Z	5305-00-054-5647	SCREW MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51957-13 (96906)	EA	3									B-4	24
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	3									B-4	25
N	PA DZ Z	1240-00-003-1076	SPRING: 10556627 (19200)	EA	1									B-4	26
	XB D..	....	HEAD ASSEMBLY, MACHINED: 10539749 (19200)-NOT ILLUST.	..	1									B-4	

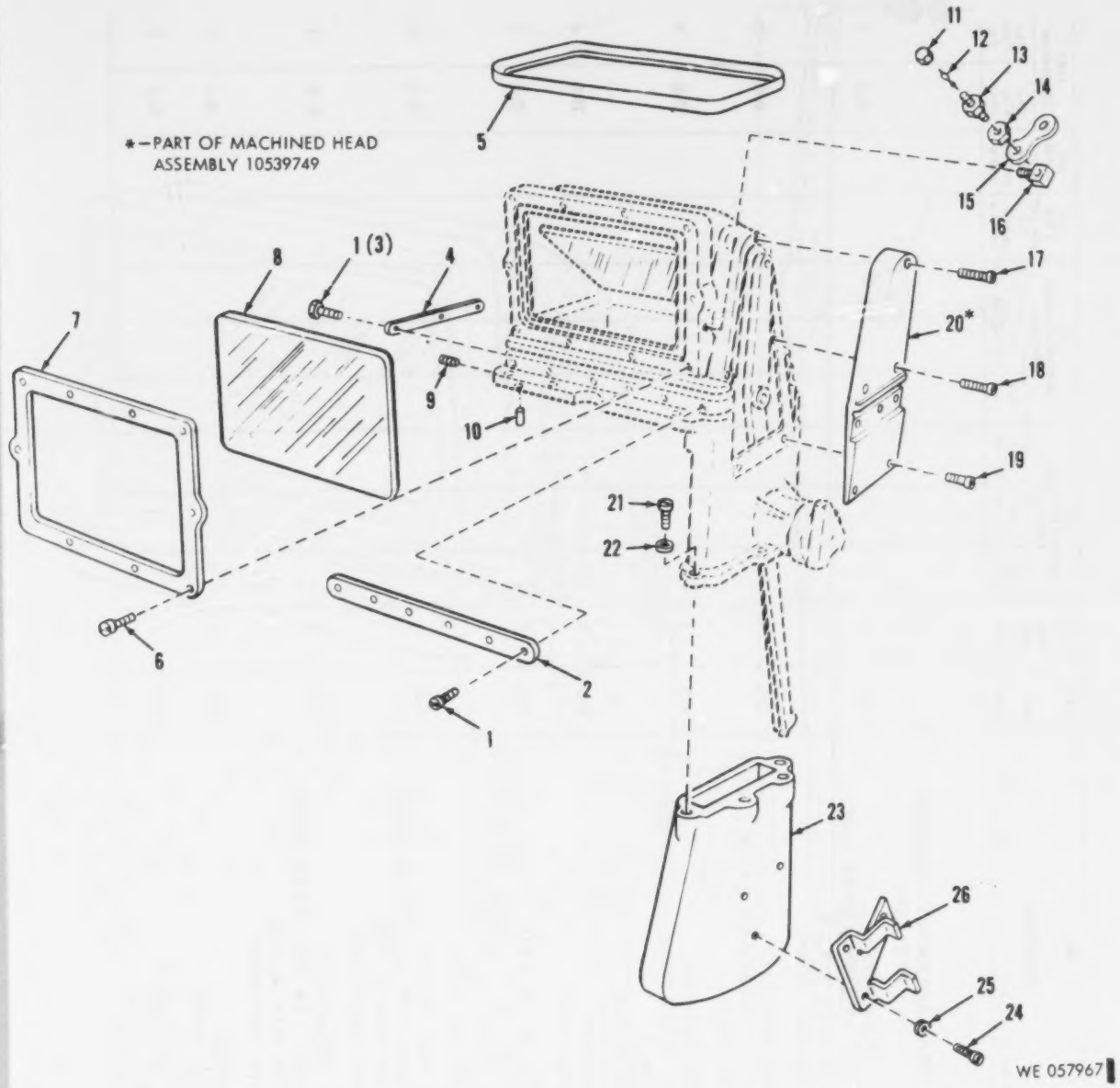


Figure B-4. Head assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entity	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEAD ASSEMBLY—PARTIAL EXPLODE												
N	PA DZ Z	5340-00-720-9221	RING, RETAINING: INT, BSC, TPR SECT TYPE, CRES, 0.438 IN. NOM R SIZE MS16625-4043 (96906)	EA	1									B-5	1
N	PA DZ Z	5305-00-584-4852	SCREW, SPECIAL: CRES, NO. 10-32NF-3A, 3/8 IN. L 8298412 (19200)	EA	1									B-5	2
N	PA DZ Z	5305-00-584-4849	SCREW, SPECIAL: CRES, PSVT FNSH, NO. 10-32NF-3A, 0.465 IN. L 8298414 (19200)	EA	1									B-5	3
N	PA DZ Z	1240-00-903-3976	ECCENTRIC: 10513234 (19200)	EA	1									B-5	4
N	PA DZ Z	5305-00-912-8120	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-40UNF-2A, 1/2 IN. L MS35276-230 (96906)	EA	1									B-5	5
N	PA DZ Z	5340-00-298-6564	RING, RETAINING: EXT, BSC, TPR SECT TYPE, CRES, 0.250 IN. NOM R SIZE MS16624-4025 (96906)	EA	1									B-5	6
N	PA DZ Z	5240-00-721-8187	RING, RETAINING: EXT, BSC, TPR SECT TYPE, CRES, 0.188 IN. NOM R SIZE MS16624-1018 (96906)	EA	1									B-5	7
N	PA DZ Z	1240-00-930-6748	ECCENTRIC: 10539501 (19200)	EA	1									B-5	8
N	PA DZ Z	1240-00-930-6760	LINK ASSEMBLY: 10539634 (19200)	EA	1									B-5	9

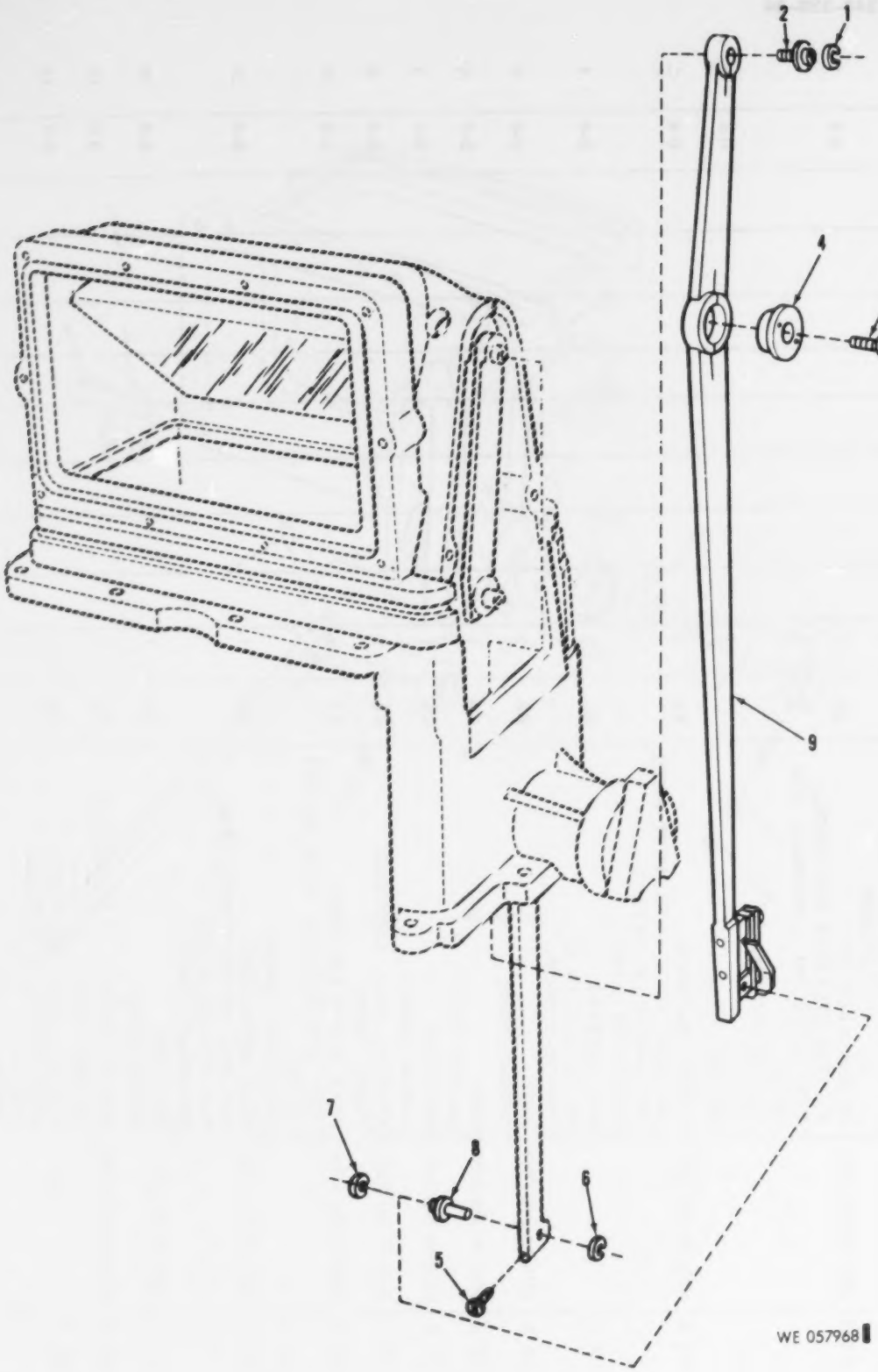


Figure B–5. Head assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entucy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEAD ASSEMBLY—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-777-6039	SCREW, MACHINE: FL CTSK HD, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/16 IN. L MS51959-12 (96906)	EA	4									B-6	1
	XB D		PLATE: 10513374 (19200)		1									B-6	2
N	PA DZ Z	5305-00-912-8120	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-40UNF-2A, 1/2 IN. L MS35276-230 (96906)	EA	1									B-6	3
N	PA DZ Z		PIN, TAPERED: PL, CS, 1-1/4 IN. L MS24692-19 (96906)	EA	1									B-6	4
N	PA DZ Z	1240-00-930-6737	ARM: 10539641 (19200)	EA	1									B-6	5
N	PA DZ Z	5315-00-906-3308	KEY: 10513233 (19200)	EA	1									B-6	6
N	PA DZ Z	1240-00-952-7407	COUPLING: 8589912 (19200)	EA	1									B-6	7
N	PA DZ Z	3110-00-227-2531	BEARING, BALL, ANNULAR: 7599556 (19200)	EA	2									B-6	8
N	PA DZ Z	5330-00-781-4525	SEAL, PLAIN, ENCASED: NON SPR LOADED, 15/16 IN. DIA SHAFT MS51001-12-3 (96906)	EA	1									B-6	10
N	PA DZ Z	5340-00-804-6855	RING, RETAINING: INT, BSC, TPR SECT TYPE, CRES, 0.375 IN. NOM R SIZE MS16625-4037 (96906)	EA	1									B-6	11
N	PA DZ Z	1240-00-930-6771	PLUNGER: 8298420 (19200)	EA	1									B-6	12
N	PA DZ Z	1240-00-930-6786	SPRING, HELICAL, COMPRESSION: 10513384 (19200)	EA	1									B-6	13
N	PA DZ Z		PIN, STRAIGHT, HEADLESS: CRES, DOWEL, 0.187 IN. DIA, 0.750 IN. L MS9390-32 (96906)	EA	1									B-6	14

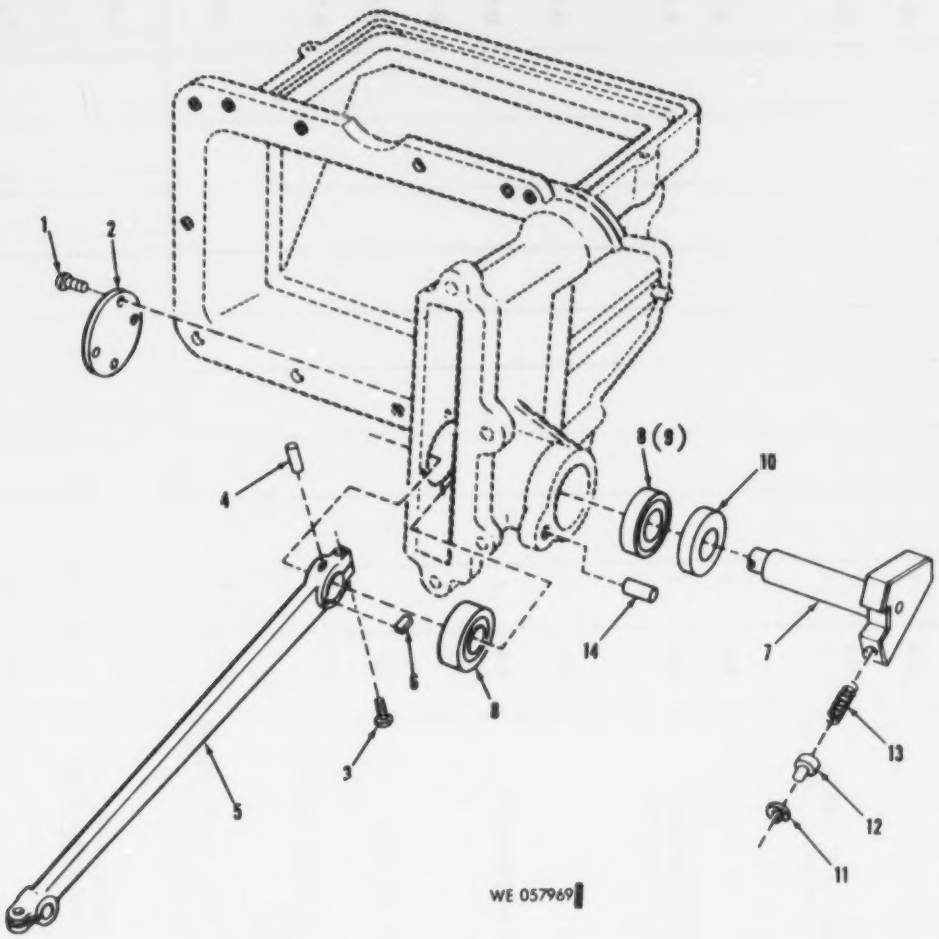


Figure B-6. Head assembly—partial explode.

Actu ening code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			HEAD ASSEMBLY—PARTIAL EXPLODE												
C	PA FZ Z	1240-00-155-3653	VALVE: 11727998 (19200)	EA	1									B-7	1
C	PA FZ Z	5305-00-770-2533	SCREW, MACHINE: FL CTSK HD, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51959-13 (96906)	EA	7									B-7	2
C	PA FZ Z	1240-00-937-3878	CAP: 11731879 (19200)	EA	1									B-7	3
N	PA DZ Z	5305-00-983-7429	SCREW, CAP, SOCKET HEAD: HEX HD, ALY STL, CD PL, NO. 10-32UNF-3A, 5/8 IN. L MS16998-28 (96906)	EA	1									B-7	4
N	PA DZ Z	1240-00-400-2560	SHAFT ASSEMBLY: 10539635 (19200)	EA	1									B-7	5
N	PA DD L	1240-00-930-6763	MIRROR SUPPORT ASSEMBLY: 10539722 (19200)	EA	1									B-7	6
	XB D		PLATE: 10513208 (19200)		1									B-7	8
N	PA DZ Z	3110-00-897-2945	BEARING, BALL, ANNULAR: 11729381 (19200)	EA	1									B-7	9
N	PA DZ Z	5340-00-810-6492	RING, RETAINING: INT, BSC, TPR SECT TYPE, CRES, 0.750 IN. NOM R SIZE MS16625-4075 (96906)	EA	1									B-7	10
N	PA DZ Z	5305-00-939-9232	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 5/8 IN. L MS35275-246 (96906)	EA	2									B-7	11
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	2									B-7	12
N	PA DZ Z	5310-00-880-5978	WASHER, FLAT: MET, RD, CRES, 0.375 IN. OD, 0.049 IN. THK, NO. 8 SCR SIZE MS15795-807 (96906)	EA	2									B-7	13

XB D		COUNTERWEIGHT: 10539308 (19200)		1												B-7	14
XA		MIRROR HEAD: 10539515 (19200)		1												B-7	15
XB D		SHIM: 10539946 (19200)		4												B-7	16
XA		SUPPORT: 10539644 (19200)		1												B-7	17

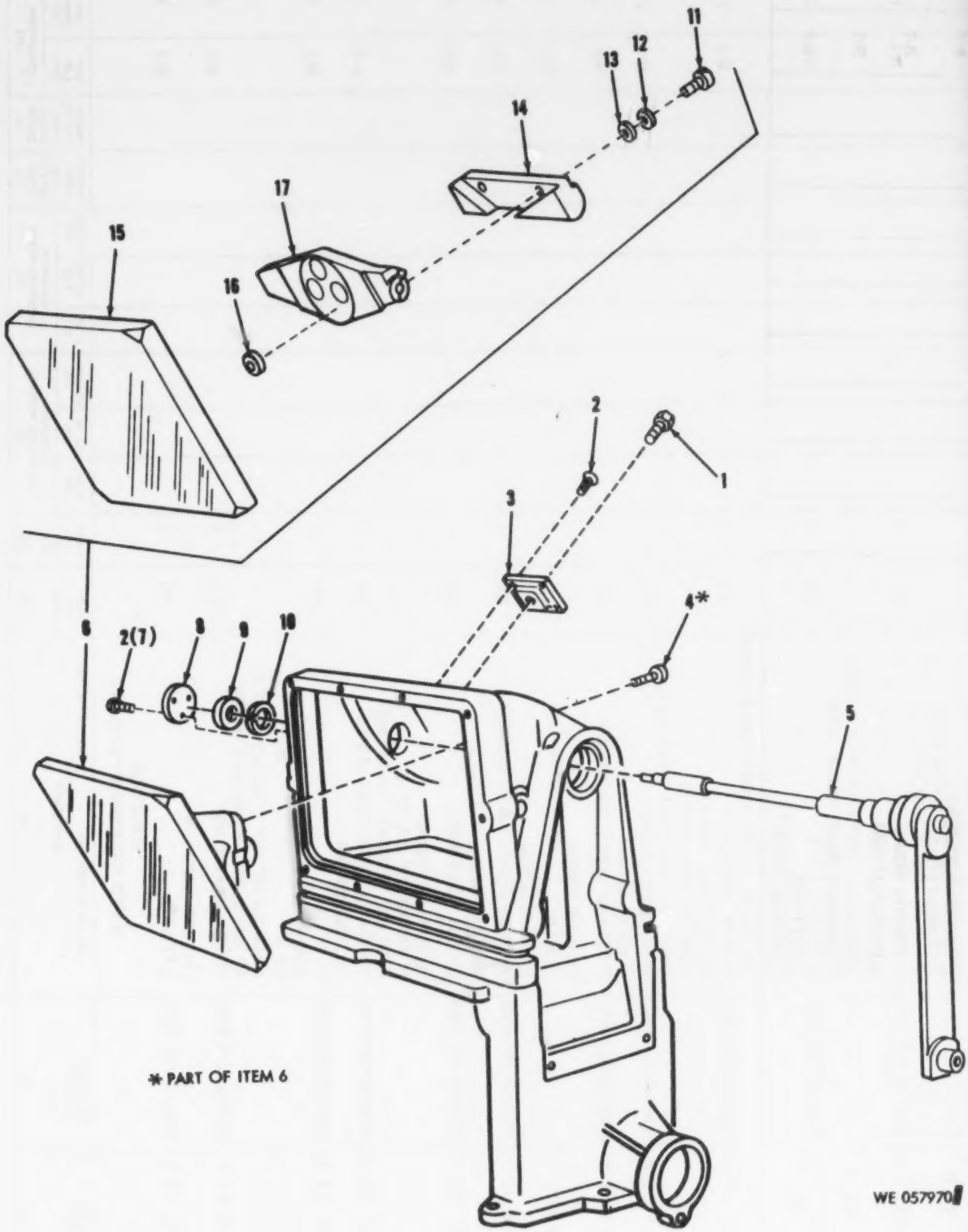


Figure B–7. Head assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR ASSEMBLY AND MOUNTING PARTS												
N	PA DZ Z	5305-00-939-9147	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, 1/4-20UNC-2A, 3/4 IN. L MS35275-281 (96906)	EA	4									B-8	1
C	PA DZ Z	5310-00-933-8121	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 1/4 IN. SCR SIZE MS35338-139 (96906)	EA	4									B-8	2
N	PA DD L	1240-00-930-6777	RETICLE PROJECTOR ASSEMBLY: 10539746 (19200)	EA	1									B-8	3
N	PA DZ Z	5330-00-244-2844	PACKING, PREFORMED: SYNTH RBR, 2.239 IN. ID 10540280-23 (19200)	EA	1									B-8	4

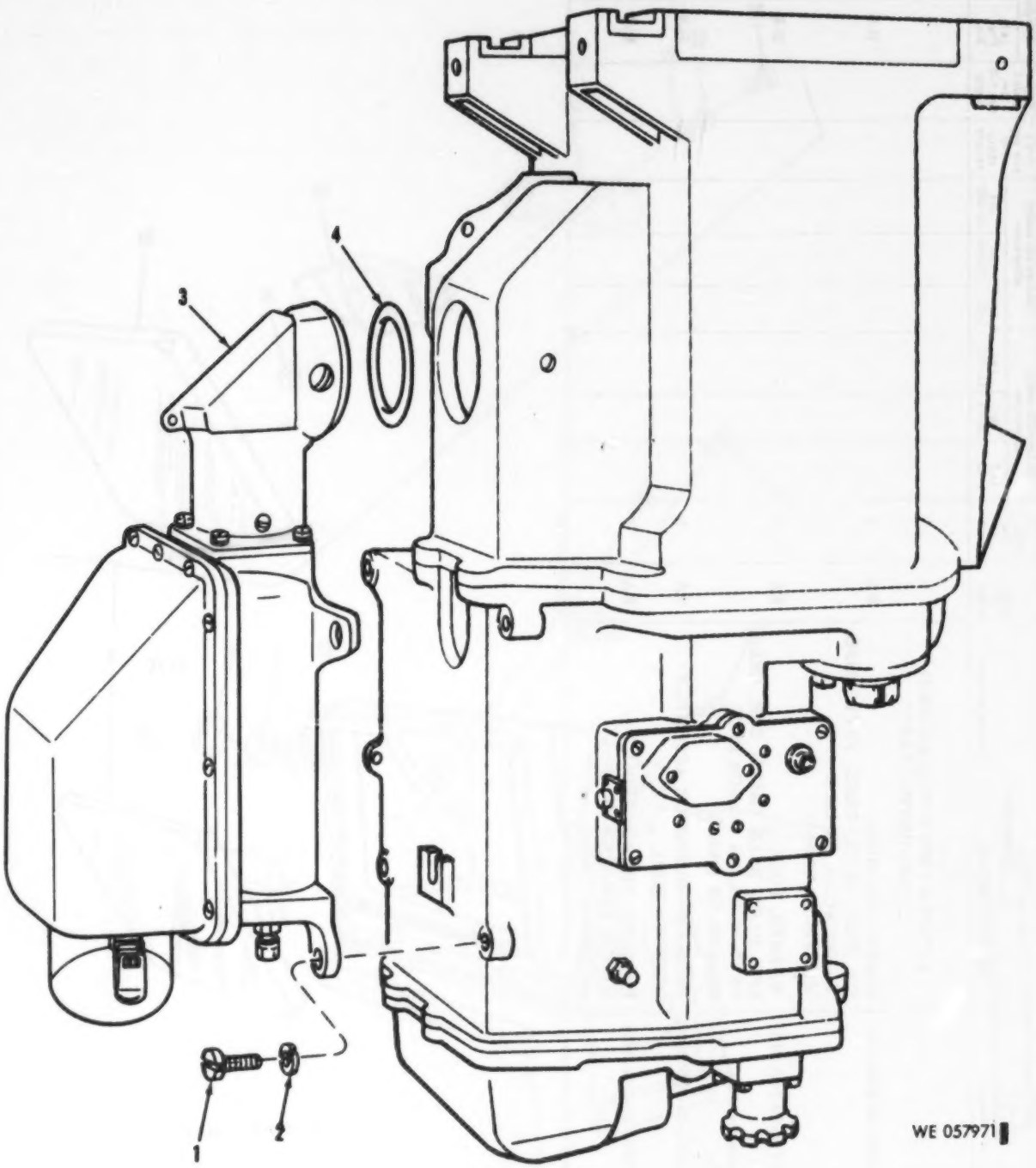


Figure B–8. Reticle projector assembly and mounting parts.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
C	PA DZ Z	5305-00-939-9189	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 5/8 IN. L MS35275-264 (96906)	EA	4									B-9	1
C	PA DZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, NO. 10 SCR SIZE MS35338-138 (96906)	EA	4									B-9	2
N	PA DZ Z	5330-00-135-1014	PACKING, PREFORMED: SYNTH RBR, 1.674 IN. ID 10540280-5 (19200)	EA	1									B-9	3
N	PA DZ Z	5315-00-825-1207	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1/2 IN. L MS16555-627 (96906)	EA	2									B-9	4
C	PA FZ Z	1240-00-155-3653	VALVE, RELIEF: 11727998 (19200)	EA	1									B-9	5
C	PA FZ Z	1240-00-495-0459	ADAPTER: 11731861 (19200)	EA	1									B-9	6
C	PA FZ Z	5310-00-235-5001	WASHER: 11728598 (19200)	EA	1									B-9	7
N	PA DZ Z	5305-00-051-4485	SETSCREW: HEX SOC, CONE PT, ALY STL, CD PL, NO. 4-40UNC-3A, 1/4 IN. L MS51973-10 (96906)	EA	1									B-9	8
N	PA DZ Z	5305-00-724-5872	SETSCREW: HEX SOC, FP, CRES, PSVT FNSH, 1/4-28UNF-3A, 1/4 IN. L MS51031-58 (96906)	EA	1									B-9	9
N	PA DZ Z	1240-00-121-0789	CELL ASSEMBLY, OPTICAL INSTRUMENT: 10539464 (19200)	EA	1									B-9	10
N	PA DZ Z	5330-00-133-1046	PACKING, PREFORMED: SYNTH RBR, 1.989 IN. ID 10540280-22 (19200)	EA	1									B-9	11
C	PA DZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	3									B-9	12

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE—Continued												
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	3									B-9	13
N	PA DZ Z	1240-00-118-8898	PRISM: OPTICAL INSTRUMENT, MOUNTED 10539633 (19200)	EA	1									B-9	14
C	PA DZ Z	5315-00-807-7684	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 5/16 IN. L MS16555-603 (96906)	EA	2									B-9	15
	XB D	....	HOUSING: 10539643 (19200)		1									B-9	16

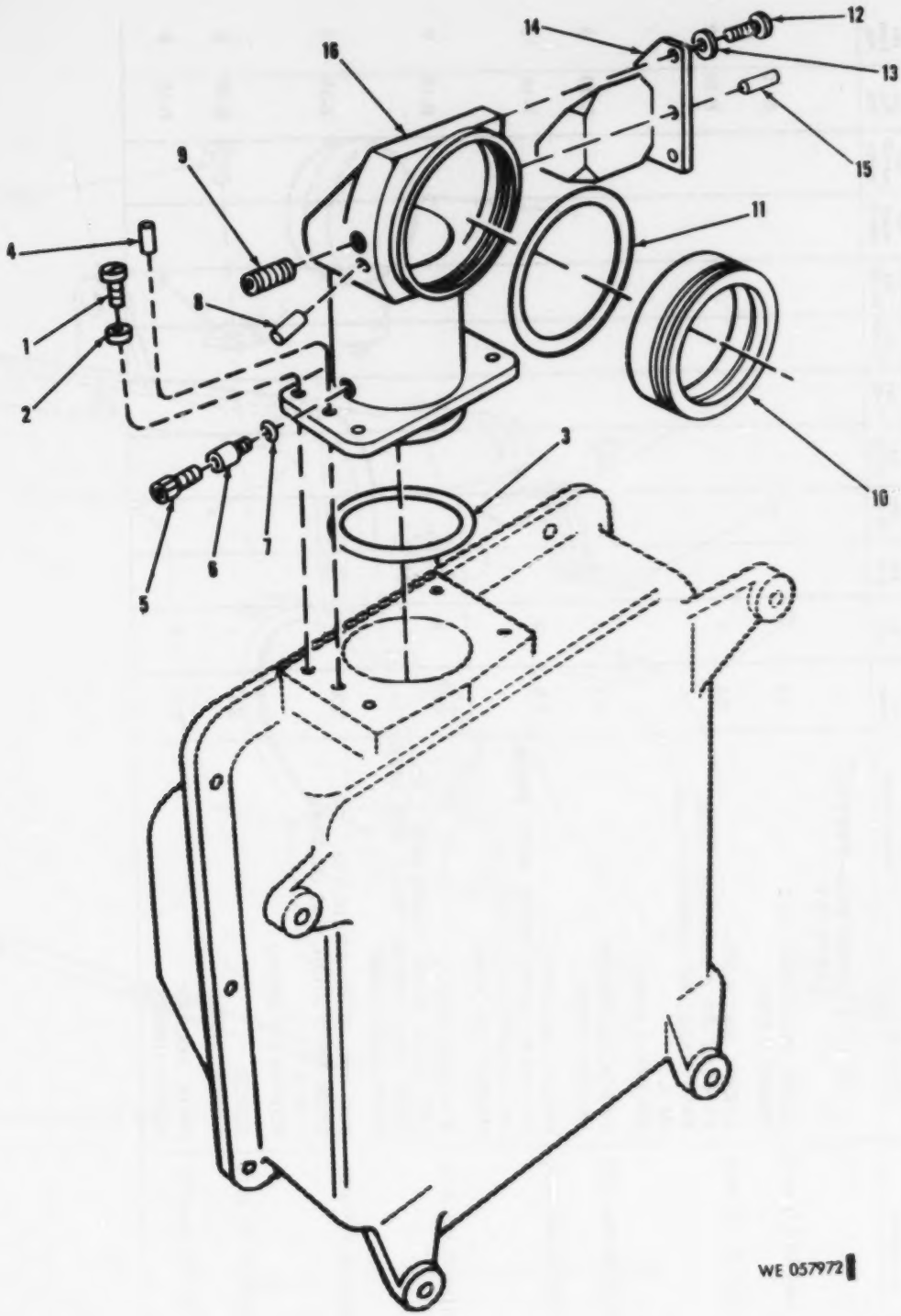
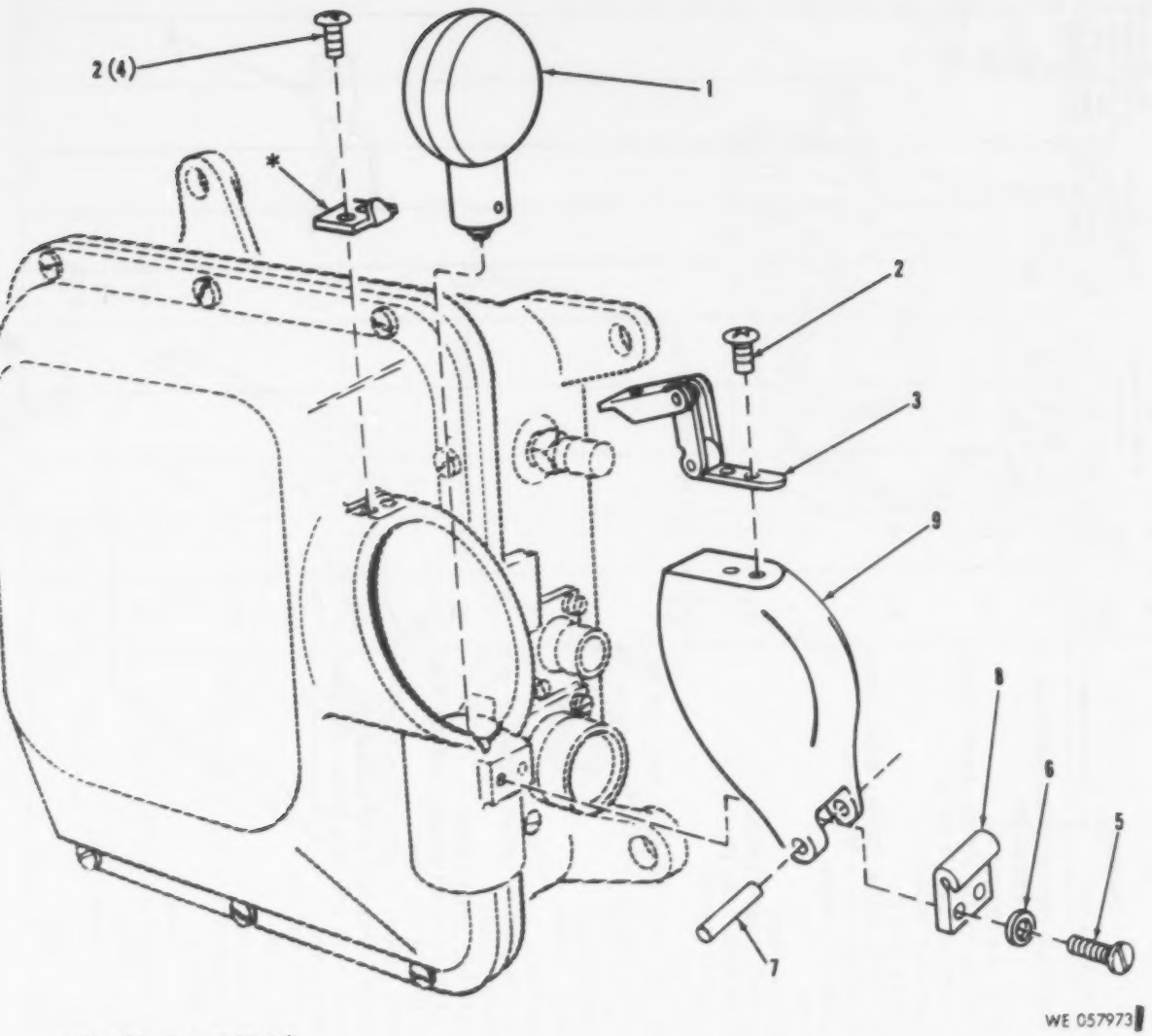


Figure B-9. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgey	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
C	PA CZ Z	6240-00-921-4493	LAMP, INCANDESCENT: 8624583 (19200)	EA	1									B-10	1
C	PA FZ Z	5305-00-727-8833	SCREW, MACHINE: FL CTSK HD, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS51959-3 (96906)	EA	4									B-10	2
C	PA FZ Z	5340-00-834-0423	CATCH, CLAMPING: 10514713 (19200)	EA	1									B-10	3
C	PA FZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	2									B-10	5
C	PA FZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	2									B-10	6
C	PA FZ Z	5315-00-733-2495	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 1 IN. L MS16555-624 (96906)	EA	1									B-10	7
C	PA FZ Z	5340-00-757-6518	HINGE: 8624696 (19200)	EA	1									B-10	8
C	PA FZ Z	1240-00-134-8980	DOOR, ACCESS: 8624613 (19200)	EA	1									B-10	9



*COMPONENT OF ITEM 3

Figure B-10. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgry	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
C	PA DZ Z	5305-00-942-8431	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 1/2 IN. L MS35275-245 (96906)	EA	12									B-11	1
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	12									B-11	2
	XB D		COVER: 10539725 (19200)		1									B-11	3
N	PA DZ Z	5330-00-135-3027	PACKING, PREFORMED: SYNTH RBR, 7.734 IN. ID 10540280-15 (19200)	EA	1									B-11	4
N	PA DZ Z	5305-00-717-6950	SETSCREW: HEX SOC, CUP PT, ALY STL, CD PL, NO. 4-40UNC-3A, 1/8 IN. L MS51963-9 (96906)	EA	2									B-11	5
N	PA DZ Z	6250-00-104-4626	LAMPHOLDER: 10539261 (19200)	EA	1									B-11	6
	XB D		TERMINAL: FEED THROUGH, INSULATED 10539902 (19200)		2									B-11	7
N	PA DZ Z	1240-00-930-6773	RETAINER, THREADED: AL ALY, 1-1/4-32NS-2A, 1.248 IN. OD, 1 IN. ID, 0.16 IN. THK 10539325 (19200)	EA	1									B-11	8
N	PA DZ Z	1240-00-930-6795	WINDOW, OPTICAL INSTRUMENT: OPT GL, 1.124 IN. DIA, 0.0100 IN. THK 10539804 (19200)	EA	1									B-11	9
C	PA FZ Z	2640-00-507-9260	CAP, TIRE VALVE: 8200055 (19200)	EA	1									B-11	10
C	PA FZ Z	2640-00-060-3543	CORE, VALVE: PNEU TIRE. STD BORE, 0-200 PSI, CL 3, SHORT MS51377-2 (96906)	EA	1									B-11	11
C	PA FZ Z	2640-00-114-1096	STEM, PURGING VALVE: W/FLTR, CRES MS51607-1 (96906)	EA	1									B-11	12
C	PA FZ Z	1240-00-455-1487	STRAP: 11729354 (19200)	EA	1									B-11	13

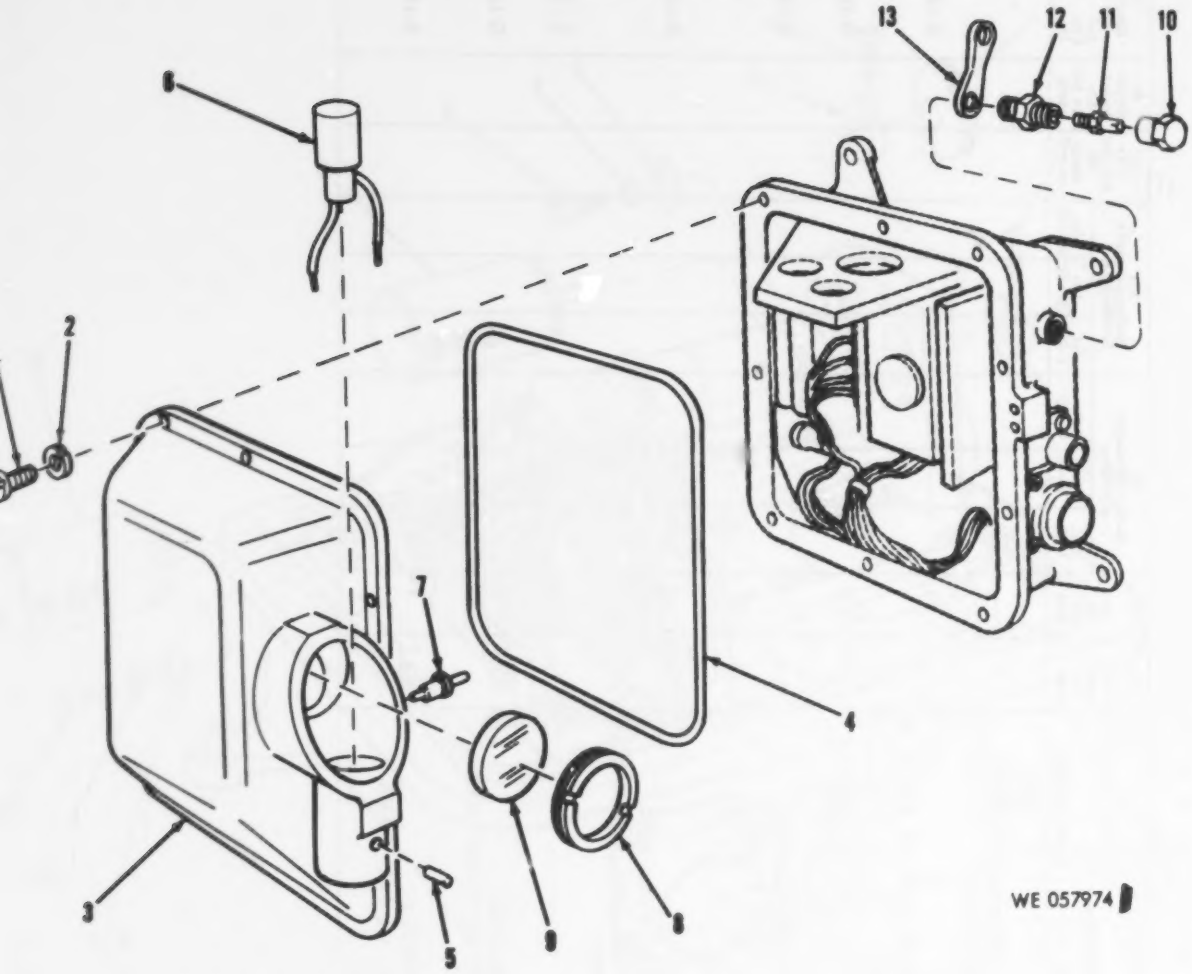


Figure B–11. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
	XB D	. . . . .	GEAR, SPUR: CRES, PSVT FNSH, 0.718 IN. OD, 67 T 10539511-2 (19200)		2									B-12	1
	XB D	. . . . .	CLAMP: 10539417 (19200)		2									B-12	2
N	PA DZ Z	5305-00-959-0379	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 4-40UNC-3A, 3/8 IN. L MS16995-10 (96906)	EA	7									B-12	3
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	7									B-12	4
	XB D	. . . . .	CLAMP: 10539415 (19200)		7									B-12	5
N	PA DZ Z	5905-00-930-7653	RESISTOR, VARIABLE: LIN, PRECISION, AZ, 20,000 OHMS 10540125 (19200)	EA	1									B-12	6
N	PA DZ Z	5905-00-435-6345	RESISTOR, VARIABLE: LIN, PRECISION, AZ, 5,000 OHMS 10540125-1 (19200)	EA	1									B-12	12

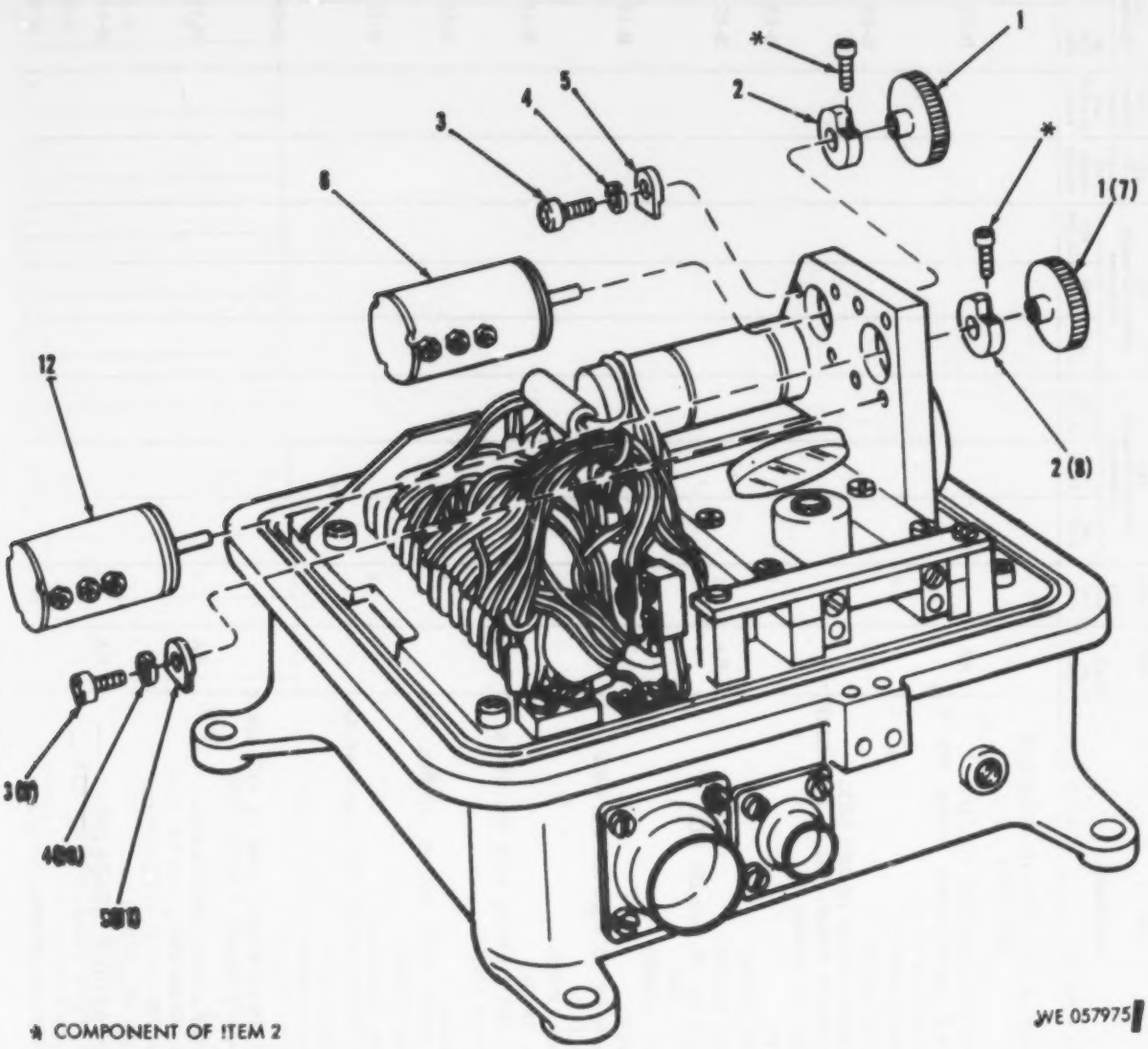


Figure B-12. Reticle projector—partial explode.

Actn cnng c	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-068-5411	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 2-56UNC-3A, 3/8 IN. L MS16995-3 (96906)	EA	1									B-13	1
C	PA DZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	1									B-13	2
	XB D		CLAMP: 10539801 (19200)		1									B-13	3
N	PA DZ Z	5310-00-143-5954	SPRING, WAVE: CS, 0.256 IN. ID, 0.44 IN. DIA, 0.010 IN. THK 10539754 (19200)	EA	1									B-13	4
	XB D		WASHER: BRZ, 0.26 IN. ID, 0.500 IN. OD, 0.035 IN. THK 10539962 (19200)		1									B-13	5
	XB D		GEAR, SPUR: CRES, PSVT FNSH, 0.718 IN. OD, 67 T 10539512-2 (19200)		1									B-13	6
	XB D		BUSHING: BRZ PHOS, 0.281 IN. ID, 1/2 IN. OD 10539784 (19200)		1									B-13	7
	XB D		SCREW, SPECIAL: CRES, PSVT FNSH, NO. 2-56 UNC-2A, 0.250 IN. L O/A 10539431 (19200)		1									B-13	8
	XB D		GEAR: CRES, PSVT FNSH, 1.666 IN. OD, 158 T 10539603-2 (19200)		1									B-13	9
N	PA DZ Z	5315-00-817-0889	PIN, STRAIGHT, HEADLESS: CRES, PASS. FIN., 1/16 IN. DIA, 3/16 IN. L MS16555-601 (96906)	EA	1									B-13	10
N	PA DZ Z	5315-00-682-1726	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 5/16 IN. L MS16555-617 (96906)	EA	1									B-13	11

XB	D		STOP, RETICLE ASSEMBLY: 10539459 (19200)		1								B-13	12
XB	D		STOP, RETICLE ASSEMBLY: 10534960 (19200)		2								B-13	13
XB	D		STOP, RETICLE ASSEMBLY: 10539461 (19200)		1								B-13	15
XB	D		SPACER: BRS, 0.188 IN. ID, 0.562 IN. OD, 0.062 IN. THK 10539462 (19200)		1								B-13	16

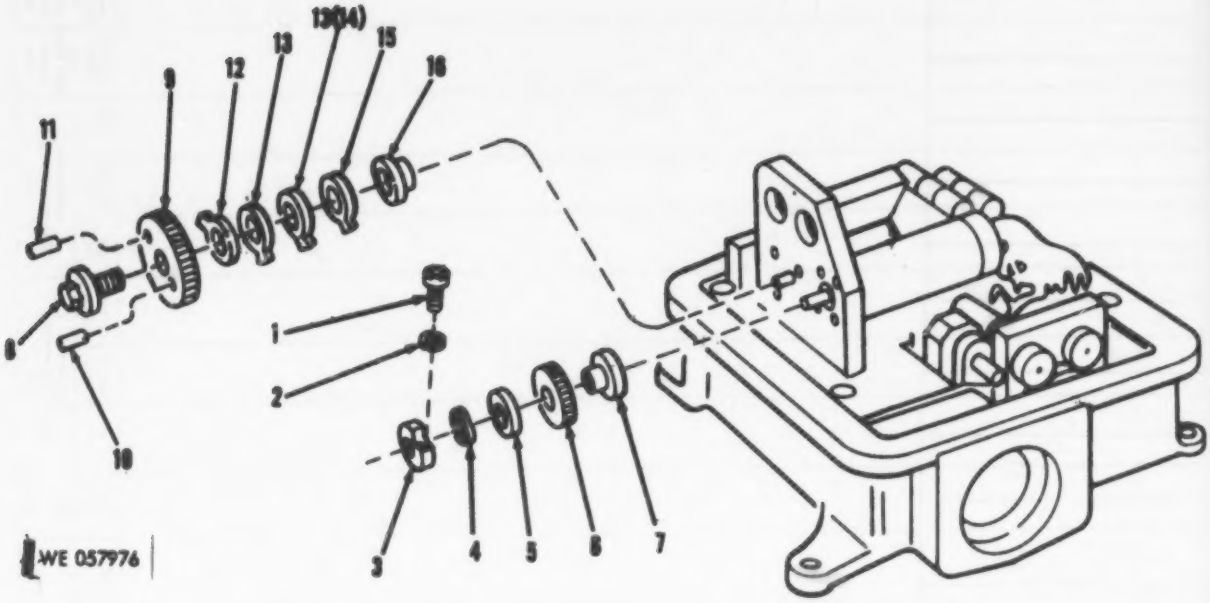


Figure B-13. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
C	PA DZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	1									B-14	1
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	9									B-14	2
N	PA DZ Z	5910-00-925-8888	CAPACITOR, FIXED, METALLIZED PAPER, DIELECTRIC: MIL-C-18312C/3 CH12A1NE104K (81349)	EA	2									B-14	3
C	PA DZ Z	5305-00-945-0505	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/16 IN. L MS35275-212 (96906)	EA	4									B-14	4
N	PA DZ Z	6125-00-930-6765	MOTOR, GENERATOR: 10540124 (19200)	EA	1									B-14	6
N	PA DZ Z	5315-00-187-3218	PIN, TAPERED, PLAIN: CRES, PSVT FNSH, 0.250 IN. RAD, 1/2 IN. L MS24692-6 (96906)	EA	1									B-14	7
	XB D		COLLAR: 10539800 (19200)		1									B-14	8
	MD D		RUBBER: SYNTH RBR, 1/32 IN. THK, 1/4 IN. W, 3-5/16 IN. L (SEE MIL-R-3065 IN BULK ITEMS LIST) 10539260 (19200)		1									B-14	9
N	PA DZ Z	5305-00-945-0506	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 7/16 IN. L MS35275-216 (96906)	EA	8									B-14	10
	XB D		TERMINAL BLOCK: PHEN, 4-3/4 IN. L, 4 HOLES 10539413 (19200)		1									B-14	11
N	PA DZ Z	5310-00-934-9748	NUT, PLAIN, HEXAGON: CRES, PSVT FNSH, NO. 4-40UNC-2B, 3/32 IN. THK, 1/4 IN. W ACROSS FLATS MS35649-244 (96906)	EA	4									B-14	14

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip categry	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE—Continued												
	XB D	.....	TERMINAL BOARD: 10512756 (19200)		1									B-14	15
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR. FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	2									B-14	16
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	2									B-14	17
N	PA DZ Z	1240-00-930-6761	MIRROR, OPTICAL INSTRUMENT: BONDED 10539625 (19200)	EA	1									B-14	18
N	PA DZ Z	5315-00-889-2610	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 7/16 IN. L MS16555-619 (96906)	EA	2									B-14	19
	XB D	.....	LUG, TERMINAL: MS35430-1 (96906)		64									B-14	20

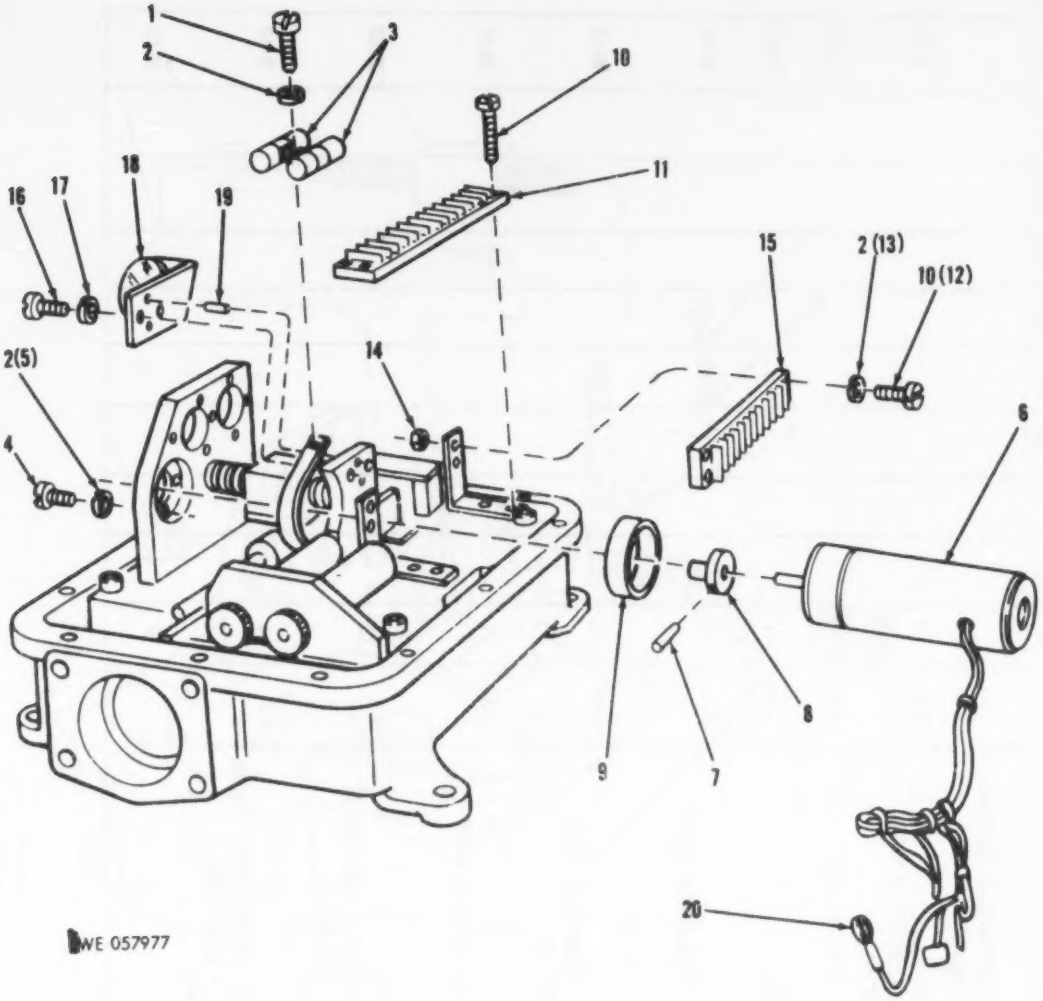


Figure B-14. Reticle projector — partial exploded.

(1) Assn cage code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entity	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5340-00-807-5330	RING, RETAINING: INT, TPR, CRES, 0.500 IN. R SIZE MS16625-4050 (96906)	EA	1									B-15	1
N	PA DZ Z	3110-00-926-4608	BEARING, BALL, ANNULAR: 10516794 (19200)	EA	1									B-15	2
	XB D		SCREW ASSEMBLY: 10539513 (19200)		1									B-15	3
N	PA DZ Z	3110-00-978-2867	BEARING: CRES, SGL ROW, FLANGED, 0.547 IN. OD 10539410 (19200)	EA	1									B-15	4
N	PA DZ Z	3110-00-142-6030	BEARING: CRES, SGL ROW, FLANGED, SGL SHLD, 0.547 IN. OD 10539408 (19200)	EA	1									B-15	5
N	PA DZ Z	5310-00-143-5954	SPRING, WAVE: CS, 0.256 IN. ID, 0.44 IN. DIA, 0.010 IN. THK 10539754 (19200)	EA	1									B-15	6
C	PA DZ Z	5305-00-925-4774	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS35275-214 (96906)	EA	4									B-15	7
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	4									B-15	8
	XB D		BRACKET: 10539348 (19200)		2									B-15	9

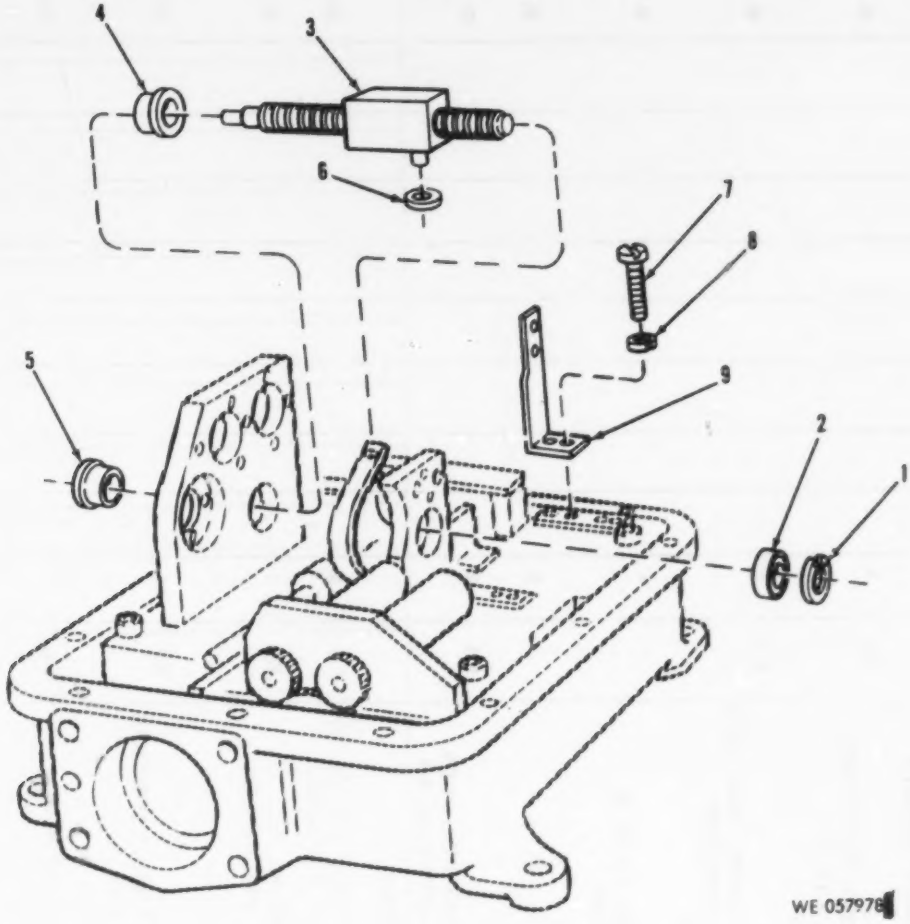


Figure B-15. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR SLIDE ASSEMBLY DETAILS												
C	PA DZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	2									B-16	1
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	2									B-16	2
	XB D		BAR: AL ALY, 1/8 IN. THK, 3/8 IN. W, 3-3/16 IN. L, 2 HOLES 10539752 (19200)		1									B-16	3
	XB DD		SLIDE ASSEMBLY: 10539721 (19200)		1									B-16	4
N	PA DZ Z	5305-00-770-2579	SCREW, MACHINE: FLT CTSK HD, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS51959-15 (96906)	EA	2									B-16	5
	XB D		PLATE, RIVETED: 10539466 (19200)		2									B-16	6
C	PA DZ Z	5340-00-143-0205	SPRING, COMPRESSION: MUW, 0.026 IN. DIA STK, 0.187 IN. OD, 35 COILS 10539259 (19200)	EA	2									B-16	7
N	PA DZ Z	5305-00-800-7261	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 4-40UNC-3A, 1/8 IN. L MS51021-9 (96906)	EA	1									B-16	11
N	PA DZ Z	1240-00-119-3965	RETICLE ASSEMBLY, OPTICAL INSTRUMENT: 10539467 (19200)	EA	1									B-16	12
N	PA DZ Z	5305-00-940-9491	SCREW MACHINE: DR FILH, SLTD, CRES, FSVT FNSH, NO. 6-32UNC-2A, 1 2 IN. L MS35275-230 (96906)	EA	1									B-16	13

C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4											B-16	14
	XB D		SUPPORT: 10539322 (19200)		1											B-16	15
	XB D		PLUNGER: 10539910 (19200)		1											B-16	16
	XB D		SLIDE: 10539504 (19200)		1											B-16	17
	XB D		RAIL, RIGHT: 10539321 (19200)		1											B-16	18
	XB D		RAIL, LEFT: 10539320 (19200)		1											B-16	19
N	PA DZ Z	5315-00-825-1207	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1/2 IN. L MS16555-627 (96906)	EA	4											B-16	20

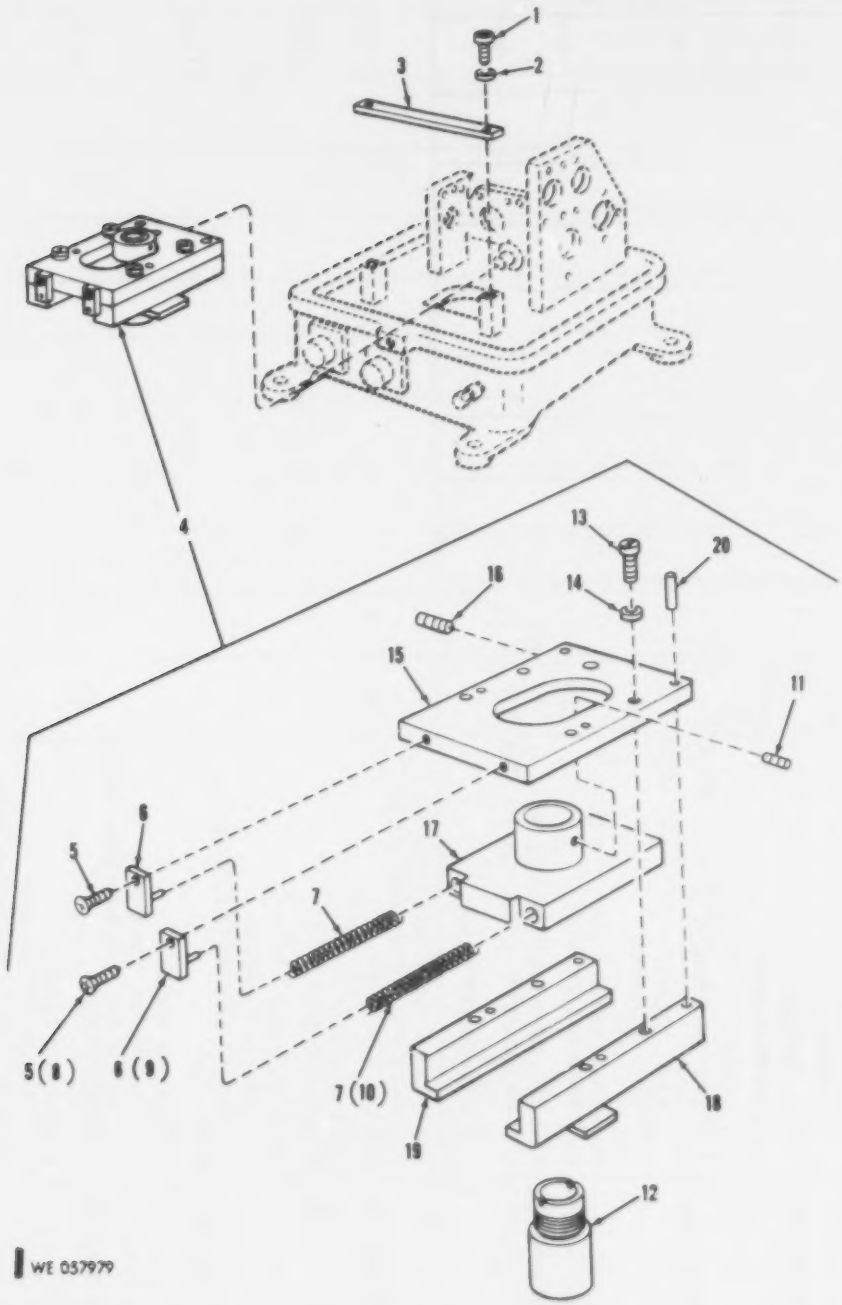


Figure B–16. Reticle projector slide assembly details.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-988-7608	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 24-UNC-3A, 1/2 IN. L MS16995-36 (96906)	EA	4									B-17	1
C	PA DZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	4									B-17	2
N	PA DZ Z	5315-00-825-1207	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1/2 IN. L MS16555-627 (96906)	EA	2									B-17	3

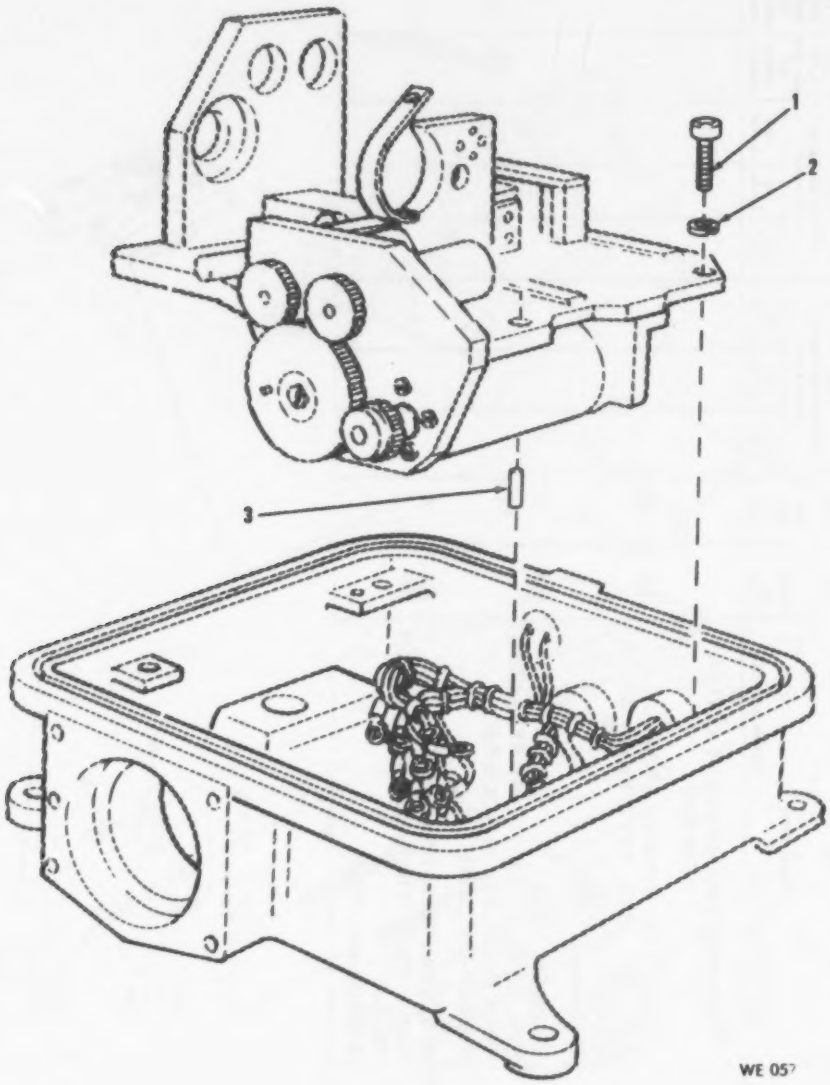


Figure B-17. Reticle projector—partial ezplode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
	XB D		GEAR, SPUR: CRES, PSVT FNSH, 0.718 IN. OD, 67 T 10539511-2 (19200)		2									B-18	1
	XB D		CLAMP: 10539417 (19200)		2									B-18	2
N	PA DZ Z	5305-00-959-0379	SCREW, CAP, SOCKET HEAD: HEX HAD, CRES, PSVT FNSH, 4-40UNC-3A, 3/8 IN. L MS16995-10 (96906)	EA	8									B-18	3
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	8									B-18	4
	XB D		CLAMP: 10539415 (19200)		8									B-18	5
N	PA DZ Z	5905-00-930-7653	RESISTOR, VARIABLE: LIN, PRECISION, AZ, 5,000 OHMS 10540125-2 (19200)	EA	1									B-18	6
N	PA DZ Z	5905-00-930-6779	RESISTOR, VARIABLE: EL, LIN PORM 0.05%, 5,000 OHMS 10539971 (19200)	EA	1									B-18	12
N	PA DZ Z	5905-00-279-3495	RESISTOR: RC20GF753J (81349)	EA	1									B-18	13

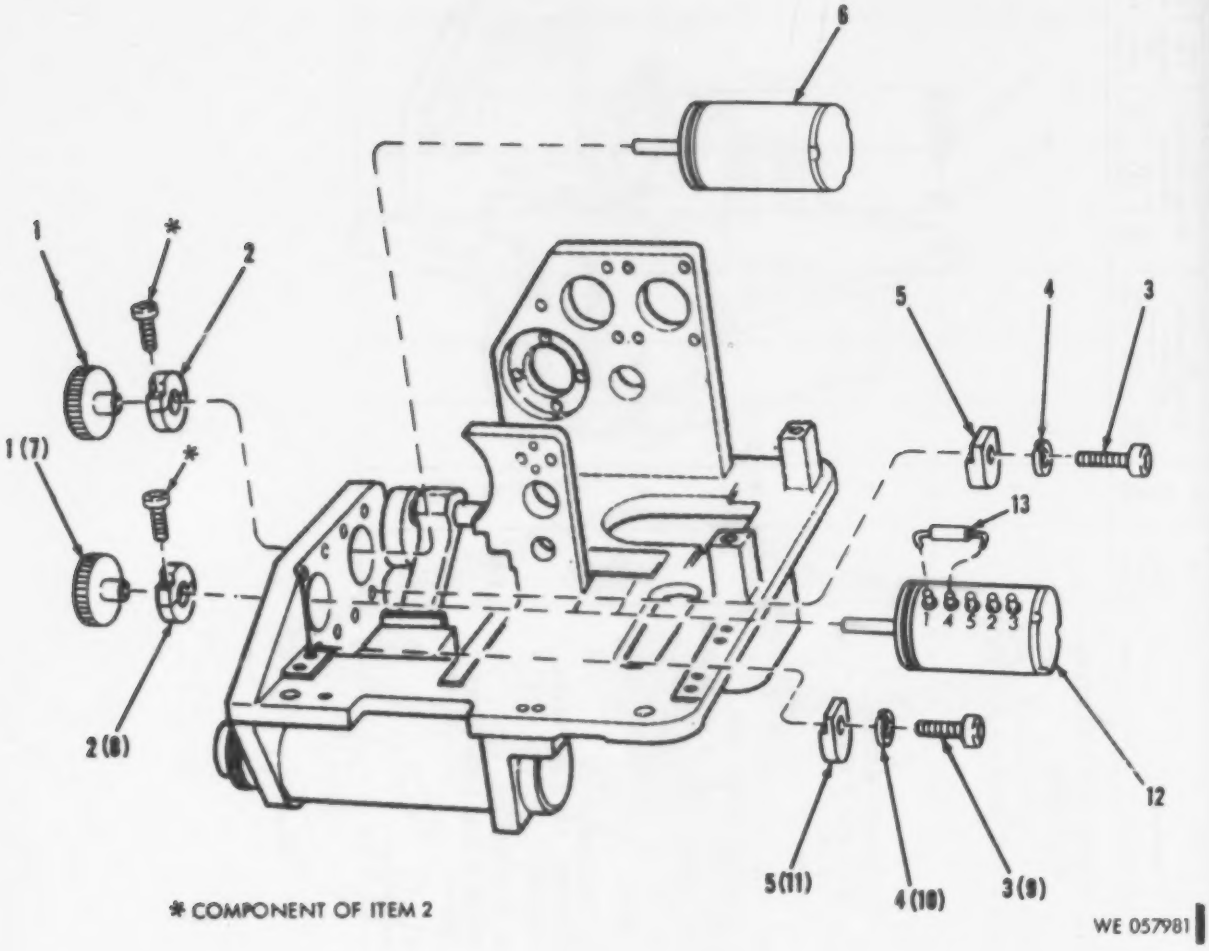


Figure B–18. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-068-5411	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 2-56UNC-3A, 3/8 IN. L MS16995-3 (96906)	EA	1									B-14	1
C	PA DZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	1									B-19	2
	XB D		CLAMP: 10539801 (19200)	...	1									B-19	3
N	PA DZ Z	5310-00-143-5954	SPRING, WAVE: CS, 0.010 IN. THK, 0.256 IN. ID, 0.44 IN. DIA 10539754 (19200)	EA	1									B-19	4
	XB D		WASHER: BRZ, 0.26 IN. ID, 0.500 IN. OD, 0.035 IN. THK 10539962 (19200)	...	1									B-19	5
	XB D		GEAR, SPUR: CRES, PSVT FNSH, 0.718 IN. OD, 67 T 10539512-2 (19200)	..	1									B-19	6
	XB D		BUSHING: BRZ PHOS, 0.28 IN. ID, 1/2 IN. OD 10539784 (19200)	...	1									B-19	7
N	PA DZ Z	5315-00-187-3218	PIN, TAPERED, PLAIN: CRES, PSVT FNSH, 0.250 IN. RAD, 1/2 IN. L MS24692-6 (96906)	EA	1									B-19	8
	XB D		COLLAR: 10539800 (19200)	...	1									B-19	9
C	PA DZ Z	5305-00-940-9489	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-227 (96906)	EA	2									B-19	10
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4									B-19	11

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5340-00-930-6790	STRAP, RETAINING: AL ALY, 0.03 IN. THK, 1/4 IN. W, 2-1/8 IN. L, 2 HOLES 10539318 (19200)	EA	1									B-19	12
C	PA DZ Z	5305-00-945-0505	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/16 IN. L MS35275-212 (96906)	EA	4									B-19	13
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	6									B-19	14
N	PA DZ Z	6125-00-930-6765	MOTOR, GENERATOR: 10540124 (19200)	EA	1									B-19	15
	MD D		RUBBER: SYNTH RBR, 1/32 IN. THK, 1/4 IN. W, 3-5/16 IN. L (SEE MIL-R-3065 IN BULK ITEMS LIST) 10539260 (19200)		1									B-19	16
C	PA DZ Z	5305-00-925-4774	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS35275-214 (96906)	EA	2									B-19	17
	XB D		SHIELD: 10539317 (19200)		1									B-19	19
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	2									B-19	20
N	PA DZ Z	1240-00-118-5599	PRISM, OPTICAL INSTRUMENT, MOUNTED: 10539469 (19200)	EA	1									B-19	22
N	PA DZ Z	5315-00-889-2610	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 7/16 IN. L MS16555-619 (96906)	EA	2									B-19	23

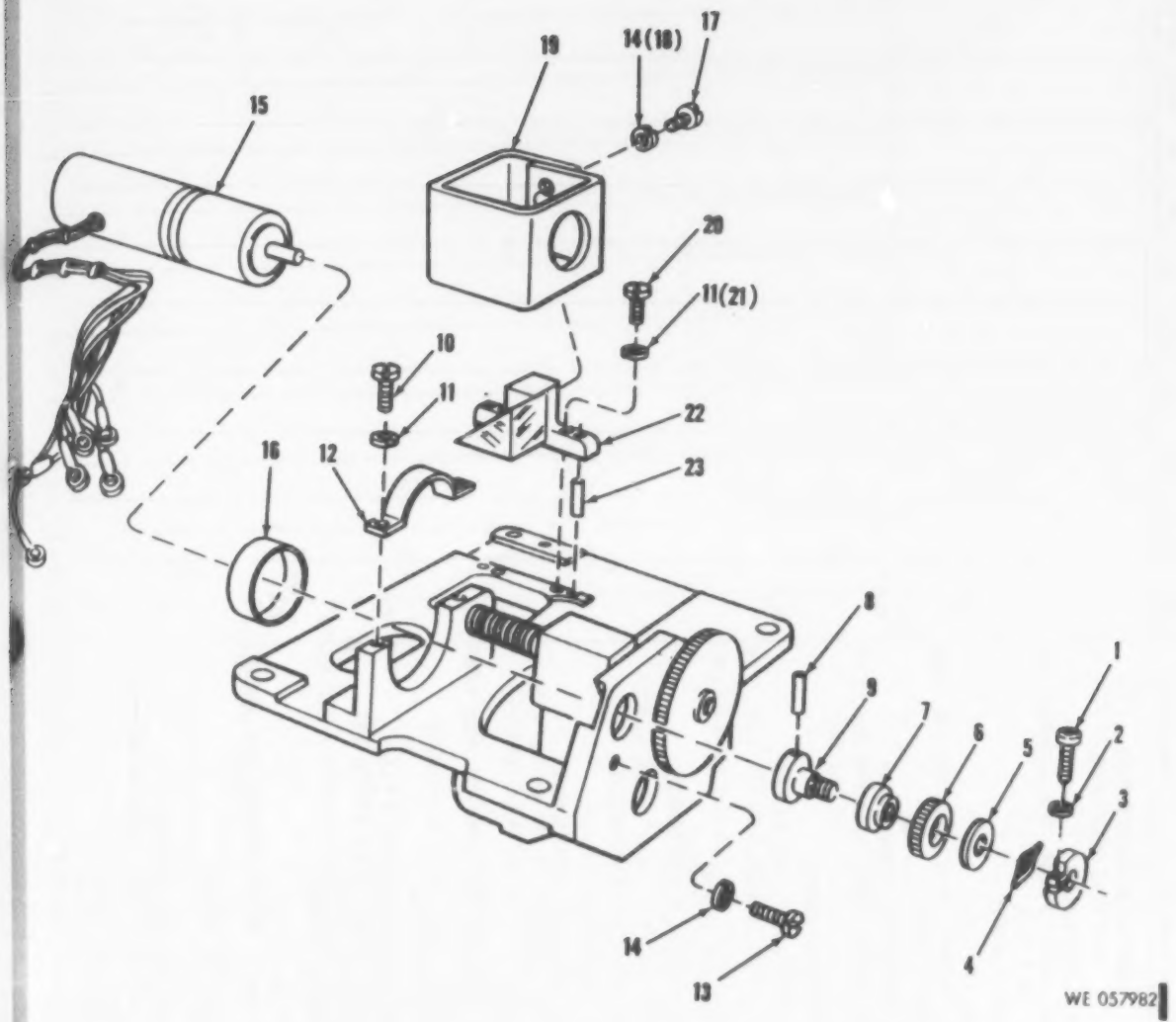


Figure B-19. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
	XB D		SCREW, SPECIAL: CRES, PSVT FNSH, NO. 2–56UNC–2A, 0.250 IN. L O/A 10539431 (19200)		1									B-20	1
N	PA DZ Z		GEAR: CRES, PSVT FNSH, 1.666 IN. OD, 158T 10539603 (19200)	EA	1									B-20	2
N	PA DZ Z	5315–00–817–0889	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 3/16 IN. L MS16555–601 (96906)	EA	1									B-20	3
N	PA DZ Z	5315–00–682–1726	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 5/16 IN. L MS16555–617 (96906)	EA	1									B-20	4
	XB D		STOP, RETICLE ASSEMBLY: 10539459 (19200)		1									B-20	5
	XB D		STOP, RETICLE ASSEMBLY: 10539460 (19200)		2									B-20	6
	XB D		STOP, RETICLE ASSEMBLY: 10539460 (19200)		1									B-20	8
	XB D		SPACER: BRS, 0.188 IN. ID, 0.562 IN. OD, 0.062 IN. THK 10539462 (19200)		1									B-20	9
N	PA DZ Z	5305–00–959–0382	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 6–32UNC–3A, 3/8 IN. L MS16995–17 (96906)	EA	2									B-20	10
C	PA DZ Z	5310–00–929–6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338–136 (96906)	EA	2									B-20	11
N	PA DZ Z	5315–00–806–7040	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 1/2 IN. L MS16555–620 (96906)	EA	1									B-20	12

| | | |

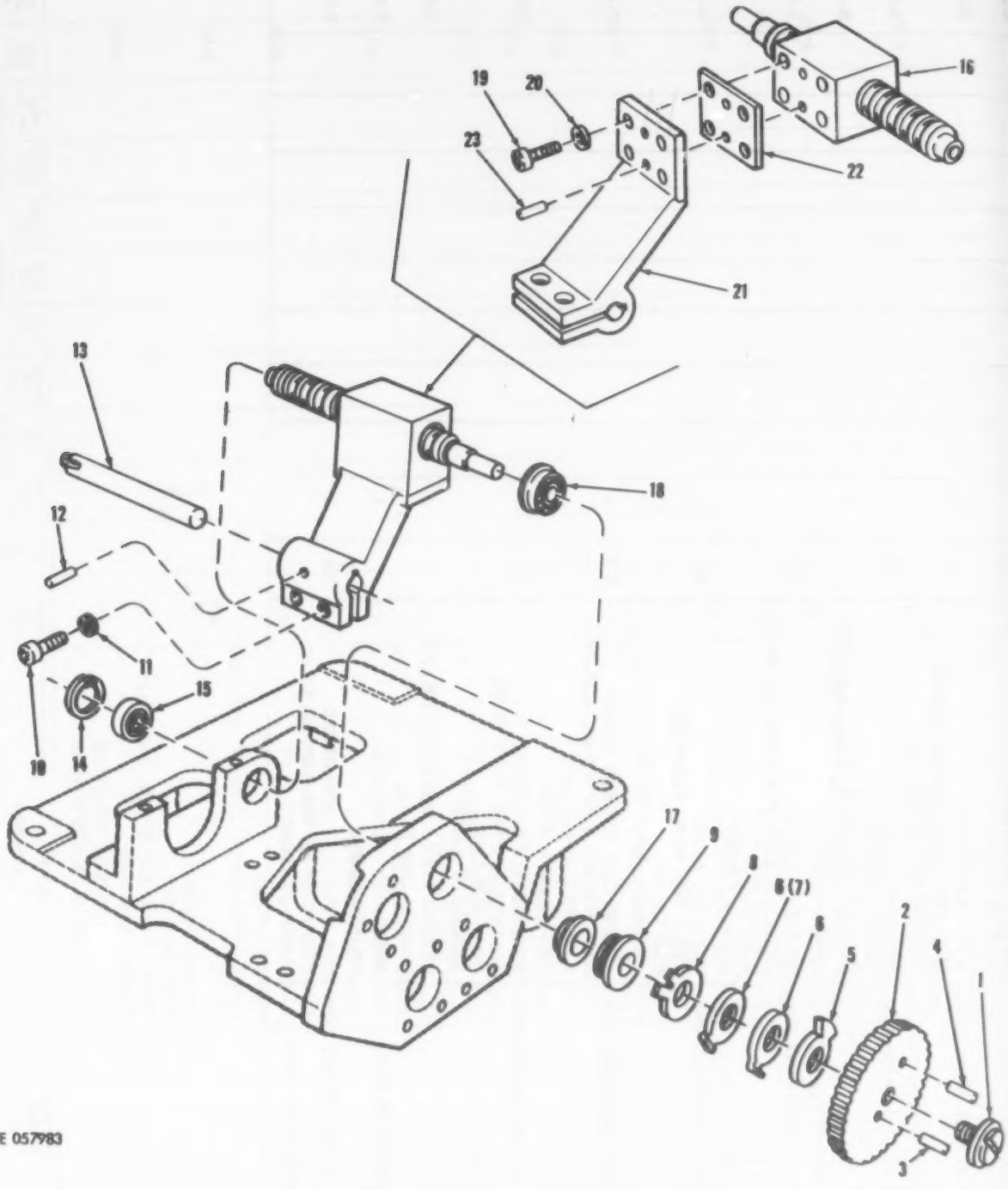


Figure B–20. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	2									B-21	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	2									B-21	2
	XB D		SUPPORT: 10539503 (19200)		1									B-21	3
N	PA DZ Z	5315-00-889-2610	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 7/16 IN. L MS16555-619 (96906)	EA	2									B-21	4
C	PA DZ Z	5305-00-941-3551	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS35275-213 (96906)	EA	1									B-21	5
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	1									B-21	6
N	PA DZ Z	5340-00-132-7814	STRAP: AL ALY, 0.032 IN. THK, 1/4 IN. W, 3-3/16 IN. L, 2 HOLES 10539328 (19200)	EA	1									B-21	7
	XB D		PLATE, PINNED: 10539698 (19200)		1									B-21	8

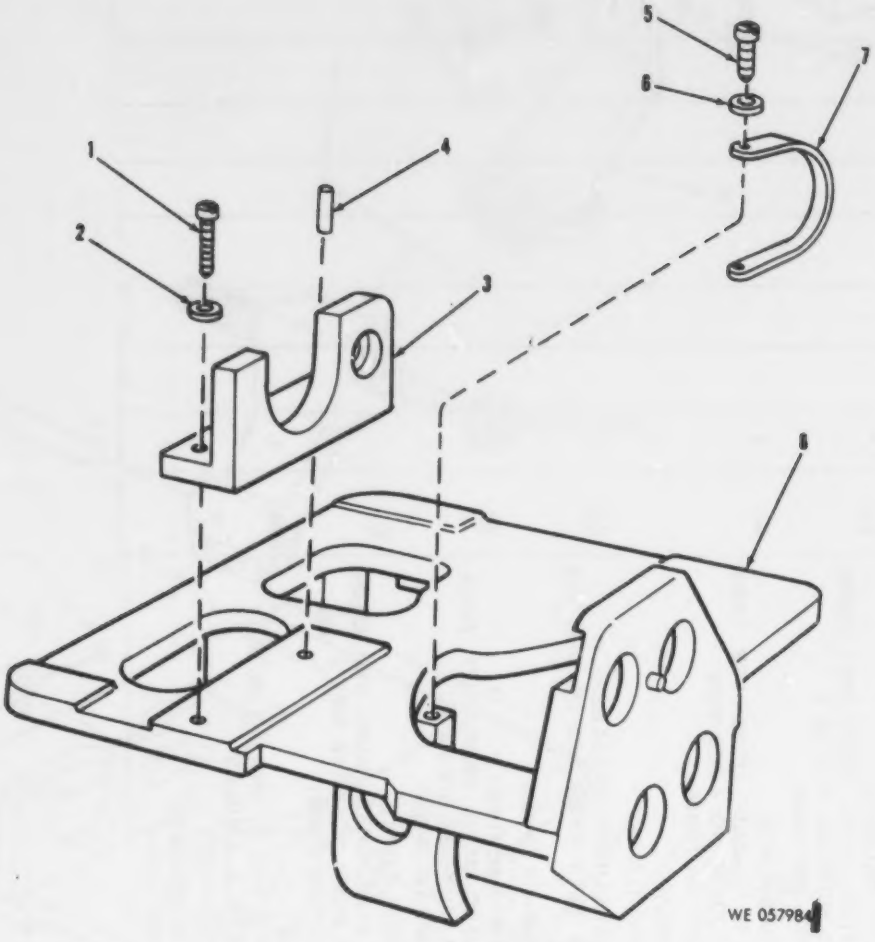


Figure B-21. Reticle projector—partial explode.

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Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			RETICLE PROJECTOR—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-051-4485	SETSCREW: HEX SOC, CONE PT, ALY STL, CD PL, NO. 4-40UNC-3A, 1/4 IN. L MS51973-10 (96906)	EA	1									B-22	1
N	PA DZ Z	1240-00-121-0788	CELL ASSEMBLY, OPTICAL INSTRUMENT: 10539465 (19200)	EA	1									B-22	2
C	PA DZ Z	5305-00-941-3551	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS35275-213 (96906)	EA	8									B-22	3
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	8									B-22	4
N	PA DZ Z	5935-00-992-3476	CONNECTOR, RECEPTACLE, ELECTRIC: SOLDER TYPE, BOX MTG MS3132HC7-50P (96906)	EA	1									B-22	5
N	PA DZ Z	5330-00-060-1679	GASKET: SYNTH RBR, 0.141 IN. RAD MS51007-2 (96906)	EA	1									B-22	6
N	PA DZ Z	5935-00-244-8262	CONNECTOR, RECEPTACLE, ELECTRIC: SOLDER TYPE, BOX MTG MS3132HC27-50P (96906)	EA	1									B-2	9
N	PA DZ Z	5330-00-951-8268	GASKET: SYNTH RBR, 0.156 IN. RAD MS51007-5 (96906)	EA	1									B-22	10
	XB D		JACK: 10539893 (19200)		2									B-22	11
	XB D		HOUSING: 10539726 (19200)		1									B-22	12

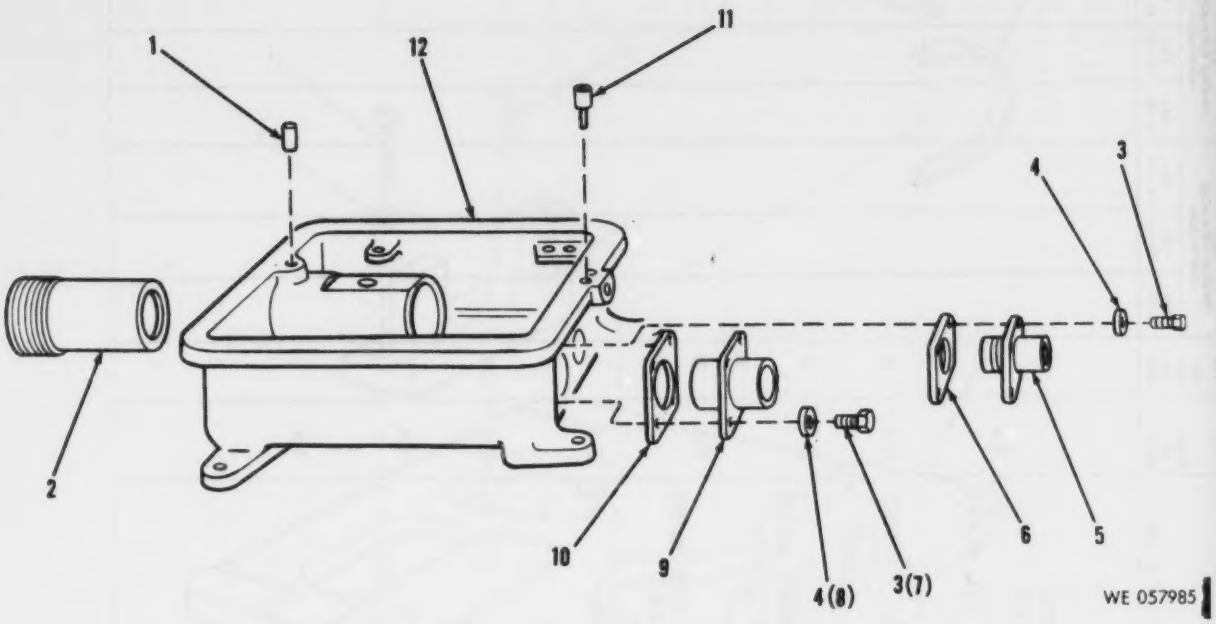


Figure B–22. Reticle projector—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY AND MOUNTING PARTS												
N	PA DZ Z	5305-00-939-9187	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 7/16 IN. L MS35275-262 (96906)	EA	7									B-23	1
C	PA DZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	12									B-23	2
C	PA DZ Z	5305-00-939-9188	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 1/2 IN. L MS35275-263 (96906)	EA	5									B-23	3
	XB DD	.....	BODY, UPPER ASSEMBLY: 10539745 (19200)	...	1									B-23	5
C	PA DZ Z	5330-00-133-1963	PACKING, PREFORMED: SYNTH RBR, 8.984 IN. ID 10540280-17 (19200)	EA	1									B-23	6

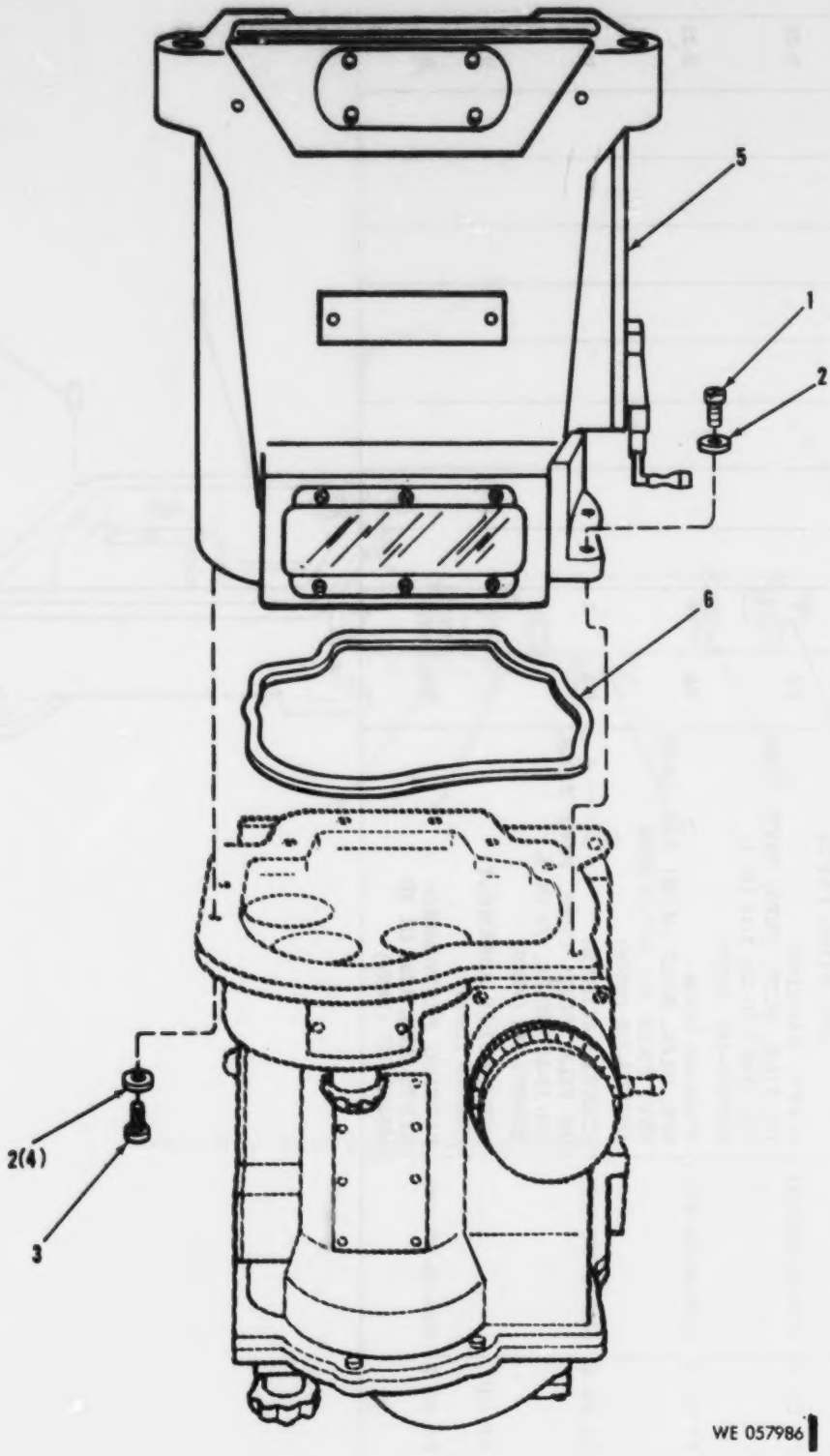


Figure B-23. Upper body assembly and mounting parts.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY—PARTIAL EXPLODE												
N	PA DZ Z	5305-00-939-9230	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 3/8 IN. L MS35275-243 (96906)	EA	8									B-24	1
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	8									B-24	2
	XB D		SETSCREW: HEX SOC, CONE PT, ALY STL, CD PL, NO. 4-40UNC-3A, 3/8 IN. L MS51973-41 (96906)		2									B-24	3
	XB DD		OBJECTIVE ASSEMBLY: 10530737 (19200)		1									B-24	4
N	PA DZ Z	5330-00-133-1964	PACKING, PREFORMED: SYNTH RBR, 5.984 IN. ID 10540280-13 (19200)	EA	1									B-24	5
N	PA DZ Z	5315-00-685-5798	PIN, STRAIGHT, HEADLESS: CRES, 0.1875 IN. DIA, 0.438 IN. L MS9105-81 (96906)	EA	2									B-24	6
N	PA DZ Z	5315-00-834-0745	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1 IN. L MS16555-631 (96906)	EA	1									B-24	7
N	PA DZ Z	1240-00-930-6738	ARM ASSEMBLY: 10539622 (19200)	EA	1									B-24	8
C	PA DZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	2									B-24	9
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	2									B-24	10
	XB D		DETENT: 10539533 (19200)		1									B-24	11

Astn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY—PARTIAL EXPLODE												
C	PA DZ Z	5315-00-702-9651	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 3/8 IN. L MS16555-618 (96906)	EA	2									B-24	12

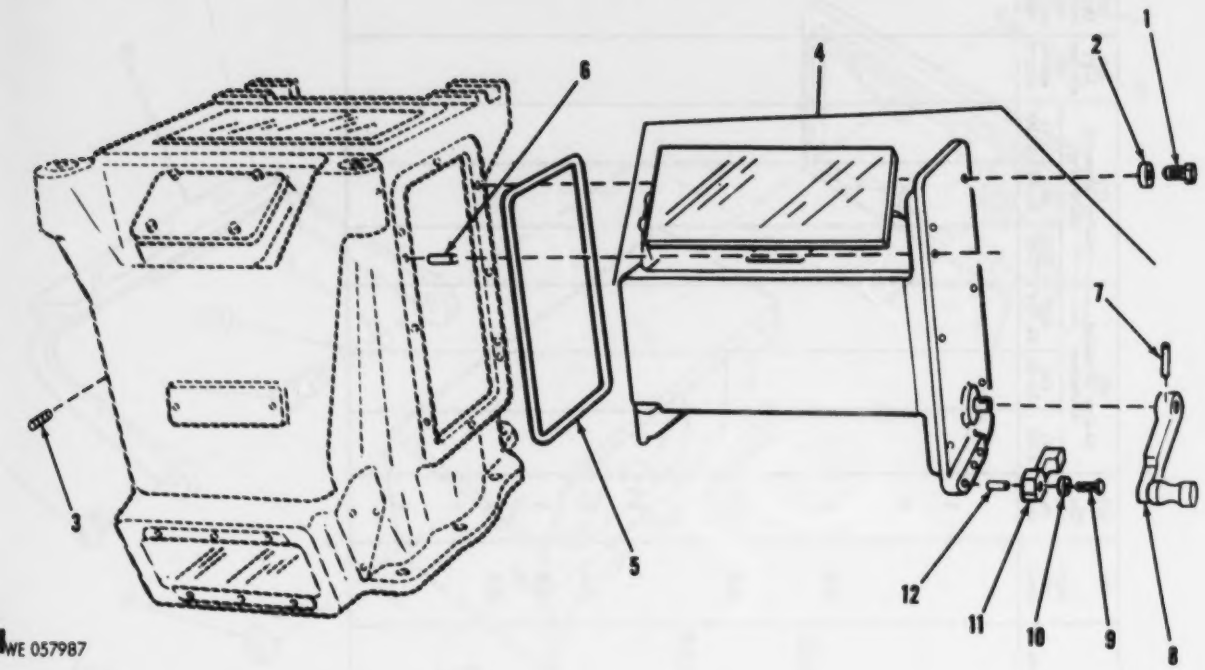


Figure B-24. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			OBJECTIVE ASSEMBLY PARTIAL EXPLODE												
	XB D		PIVOT: 10539544 (19200)	...	1									B-25	1
	XB D		PACKING, PREFORMED: 8620812 (19200) MS35275-247 (96906)	...	2									B-25	2
N	PA DZ Z	5305-00-939-9208	SCREW MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 3/4 IN. L MS35275-247 (96906)	EA	4									B-25	4
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	4									B-25	5
	XB D		COVER: 10539734 (19200)	...	1									B-25	6
N	PA DZ Z	5305-00-465-9333	SCREW, SPECIAL: 10539359 (19200)	EA	1									B-25	7
N	PA DZ Z	1240-00-930-6764	MIRROR BONDED: 10539616 (19200)	EA	1									B-25	8
N	PA DZ Z	5305-00-763-6963	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1-1/2 IN. L MS51959-28 (96906)	EA	1									B-25	9
	XB D		ECCENTRIC: 10556579 (19200)	...	1									B-25	10

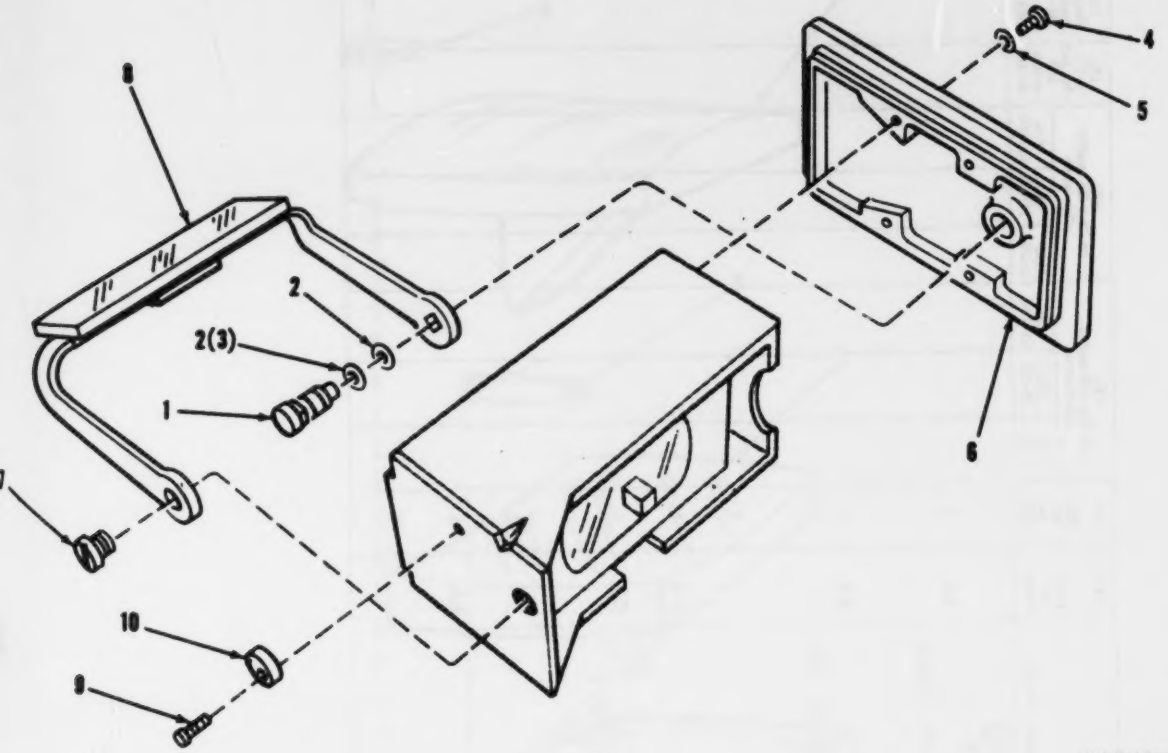


Figure B-25. Objective assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			OBJECTIVE ASSEMBLY PARTIAL EXPLODE												
C	PA DZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	4									B-26	1
N	PA DZ Z	5310-00-058-3599	WASHER, LOCK: FL, EXT T, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35335-57 (96906)	EA	4									B-26	2
	XB D	.....	TAB: 10539360 (19200)	..	4									B-26	3
N	PA DZ Z	1240-00-121-0786	LENS, PRISM ASSEMBLY: 10539636 (19200)	EA	1									B-26	4
N	PA DZ Z	5305-00-057-0498	SCREW, MACHINE: PAN HD, CROSSS-REC, CRES, PSVT FNSH, NO. 2-64UNF, 3/16 IN. L MS51958-2 (96906)	EA	4									B-26	5
	XB D	.....	WEDGE: 10539358 (19200)	...	2									B-26	6
N	PA DZ Z	1240-00-121-0785	LENS ASSEMBLY: 10539637 (19200)	EA	1									B-26	7
	XB D	.....	HOUSING: 10539733 (19200)	...	1									B-26	8

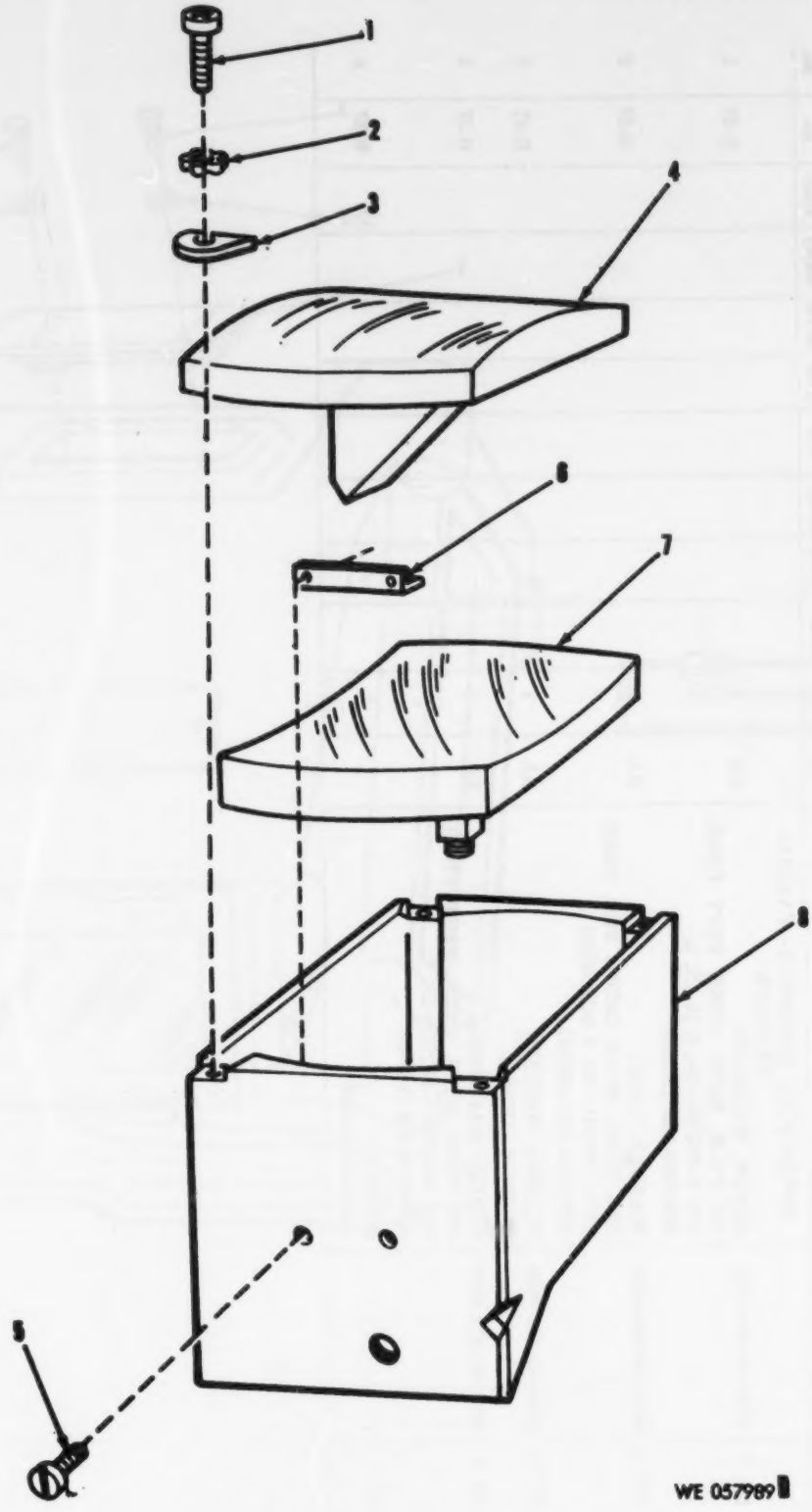
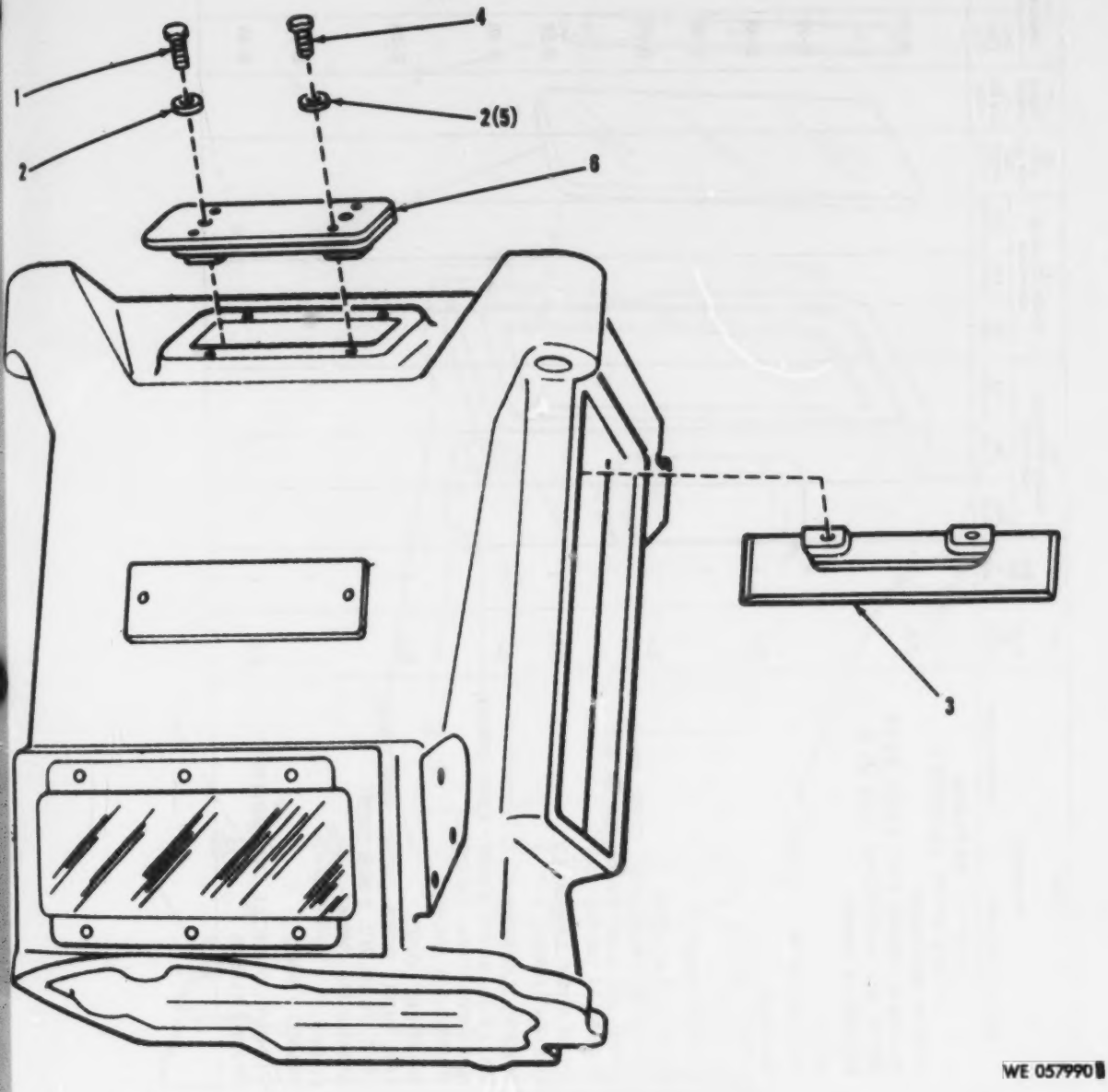


Figure B-26. Objective assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-25	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY—PARTIAL EXPLODE												
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	2									B-27	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	6									B-27	2
N	PA DZ Z	1240-00-121-0800	MIRROR, BONDED: 10539478 (19200)	EA	1									B-27	3
N	PA DZ Z	5305-00-922-6286	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 3/8 IN. L MS35275-228 (96906)	EA	4									B-27	4
	XB D . . .	. . . . .	MOUNT: 10539656 (19200)	. . .	1									B-27	6



B-27. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			PARTIAL EXPLODE UPPER BODY ASSEMBLY												
C	PA DZ Z	5305-00-763-7822	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS51959-14 (96906)	EA	6									B-28	1
	XB D...	.....	STRIP: 10539350 (19200)		2									B-28	2
N	PA DZ Z	1240-00-121-0804	WINDOW: 10539488 (19200)	EA	1									B-28	3
	XB D...	.....	COVER: 11727999 (19200)	...	1									B-28	4
C	PA DZ Z	5305-00-770-2533	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51959-13 (96906)	EA	1									B-28	5
N	PA DZ Z	4010-00-003-8409	WIRE ROPE ASSEMBLY: 11731904 (19200)	EA	1									B-28	6
N	PA DZ Z	5305-00-922-8778	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS35275-203 (96906)	EA	6									B-28	7
C	PA DZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HCLC, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	6									B-28	8
	XB D .	. ...	PLATE: 10556625 (19200)	.	2									B-28	9
N	PA DZ Z	1240-00-930-6793	WINDOW, OPTICAL INSTRUMENT: 10539312 (19200)	EA	1									B-28	10

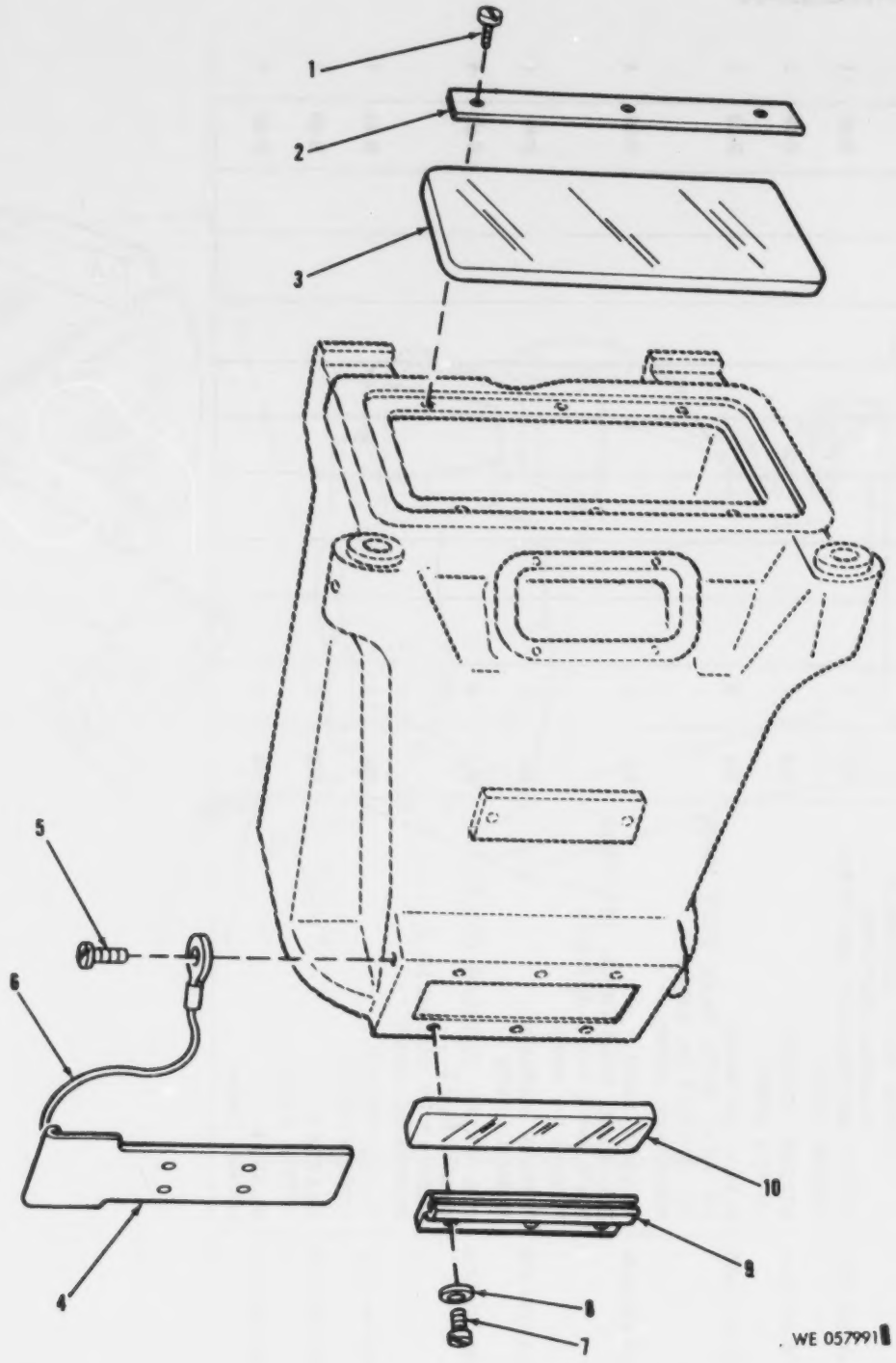


Figure B-28. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-465-9331	SCREW, EXTERNALLY RELIEVED: 10539330 (19200)	EA	4									B-29	1
N	PA DZ Z	1240-00-121-0801	MIRROR, POTTED: 10539614 (19200)	EA	1									B-29	2
N	PA DZ Z	5305-00-912-4837	SCREW MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-32UNF-2A, 5/8 IN. L MS35276-264 (96906)	EA	2									B-29	3
C	PA DZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	2									B-29	4
N	PA DZ Z	1240-00-121-6290	MIRROR, BONDED: 10539477 (19200)	EA	1									B-29	5
N	PA DZ Z	5315-00-064-2470	PIN, SPRING, TUBULAR, COILED, HEAVY DUTY: CRES, 1/8 IN. DIA, 3/4 IN. L MS39086-142 (96906)	EA	2									B-29	6
C	PA FZ Z	1240-00-155-3653	VALVE, RELIEF: 11727998 (19200)	EA	1									B-29	7
C	PA FZ Z	1240-00-495-0459	ADAPTER: 11731861 (19200)	EA	1									B-29	8
C	PA FZ Z	5310-00-235-5001	WASHER: 11728598 (19200)	EA	1									B-29	9

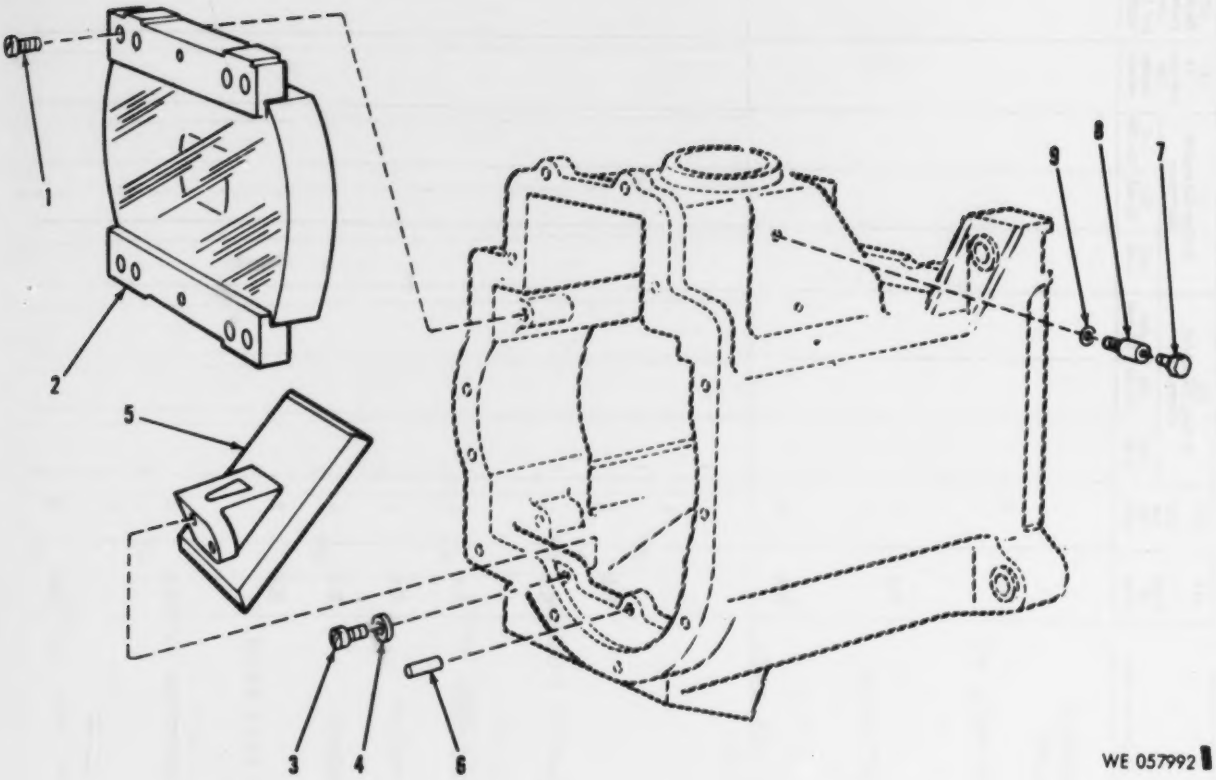


Figure B-29. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-043-0272	SETSCREW: HEX SOC, FP, CRES, PSVT FNSH, NO. 10-24UNC-3A, 1/2 IN. L MS51029-40 (96906)	EA	4									B-30	1
N	PA DZ Z	5305-00-939-9232	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 5/8 IN. L MS35275-246 (96906)	EA	4									B-30	3
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	4									B-30	4
	XB DD	.....	HOUSING ASSEMBLY: 10539714 (19200)	..	1									B-30	5
N	PA DZ Z	5315-00-298-9856	PIN, SPRING: MS39086-129 (96906)	EA	2									B-30	6
N	PA DZ Z	1240-00-443-1021	RETAINER, EXTERNALLY THREADED: 10539351 (19200)	EA	1									B-30	7
N	PA DZ Z	1240-00-121-0783	WINDOW, OPTICAL INSTRUMENT: 10539305 (19200)	EA	1									B-30	8
N	PA DZ Z	1240-00-443-1022	RETAINER, OPTICAL ELEMENT: 10539353 (19200)	EA	1									B-30	9
N	PA DZ Z	1240-00-121-0790	LENS, OPTICAL INSTRUMENT: 10539281 (19200)	EA	1									B-30	10
C	PA DZ Z	5305-00-843-2841	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 2-56UNC-3A, 0.125 IN. L MS51021-1 (96906)	EA	2									B-30	11
N	PA DZ Z	5305-00-465-9334	SCREW, EXTERNALLY RELIEVED: 10539344 (19200)	EA	2									B-30	12
	XB DD	.....	HOUSING ASSEMBLY: 10539480 (19200)	..	1									B-30	13
N	PA DZ Z	1240-00-450-5722	ROD: 8624707 (19200)	EA	2									B-30	14

N	PA DZ Z	5305-00-948-4042	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 2-56UNC-2A, 5/16 IN. L MS35275-204 (96906)	EA	4										B-30	15
C	PA DZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	4										B-30	16
	XB D...	.....	STRIP: 10539349 (19200)	..	2										B-30	17
N	PA DZ Z		PLATE: 10539288 (19200)	EA	1										B-30	18
	XB D..	.....	HOUSING: 10539653 (19200)	..	1										B-30	19
N	PA DZ Z	5305-00-272-4123	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 6-32UNC-3A, 1/4 IN. L MS51021-23 (96906)	EA	1										B-30	20
N	PA DZ Z	1240-00-121-0784	CELL ASSEMBLY, OPTICAL INSTRUMENT: 10539482 (19200)	EA	1										B-30	21
N	PA DZ Z	1220-00-087-2729	DISK, SOLID, PLAIN: 8619986 (19200)	EA	1										B-30	22
	XB D..	.....	HOUSING, CELL: 10539535 (19200)	...	1										B-30	23

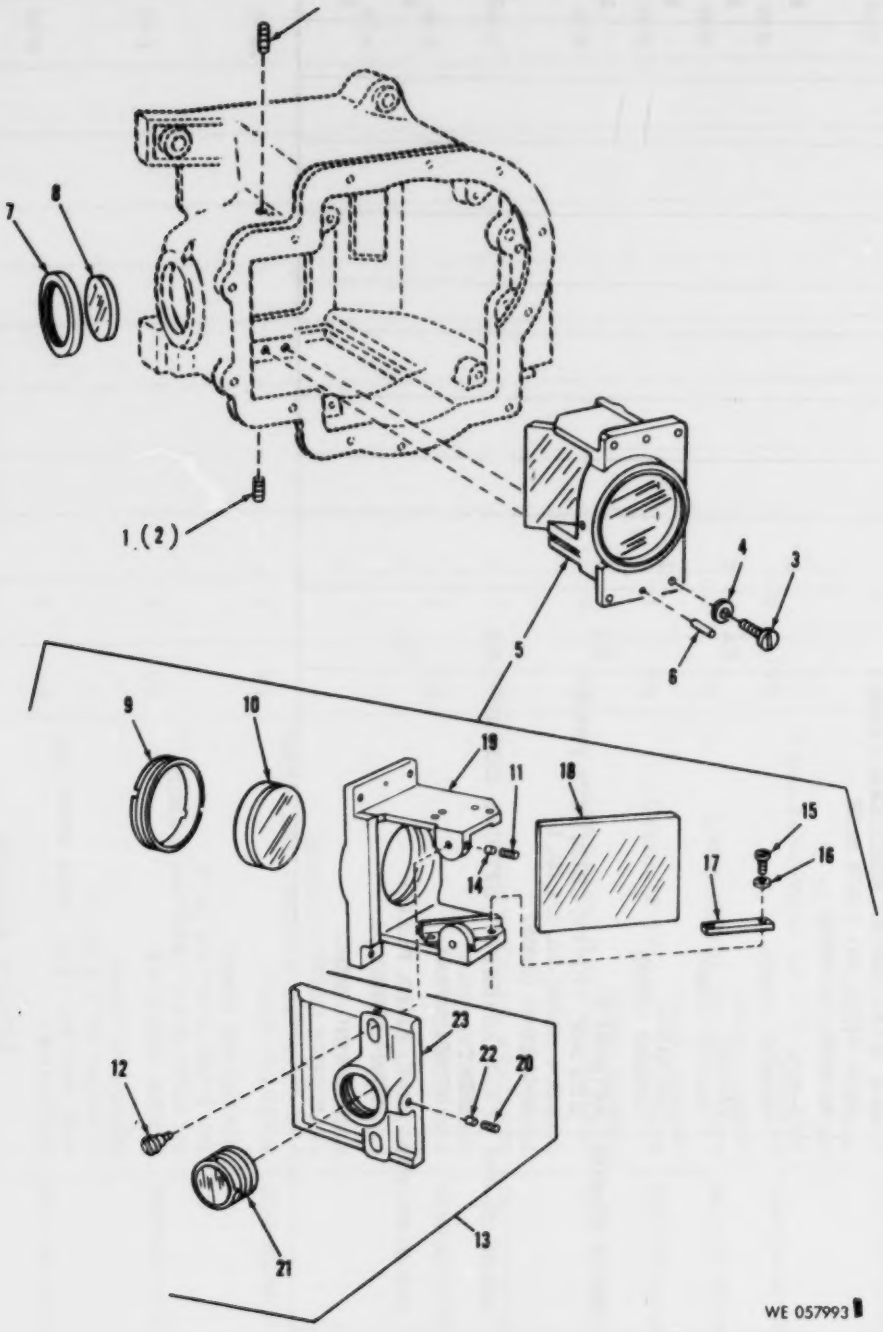


Figure B–30. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-922-6286	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 3/8 IN. L MS35275-228 (96906)	EA	4									B-31	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4									B-31	2
N	PA DZ Z	1240-00-118-5592	MIRROR, BONDED: 10539612 (19200)	EA	1									B-31	3
N	PA DZ Z	5315-00-847-5677	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 7/16 IN. L MS16555-626 (96906)	EA	1									B-31	4
	XB DD	.....	BODY: 10539736 (19200)	..	1									B-31	5

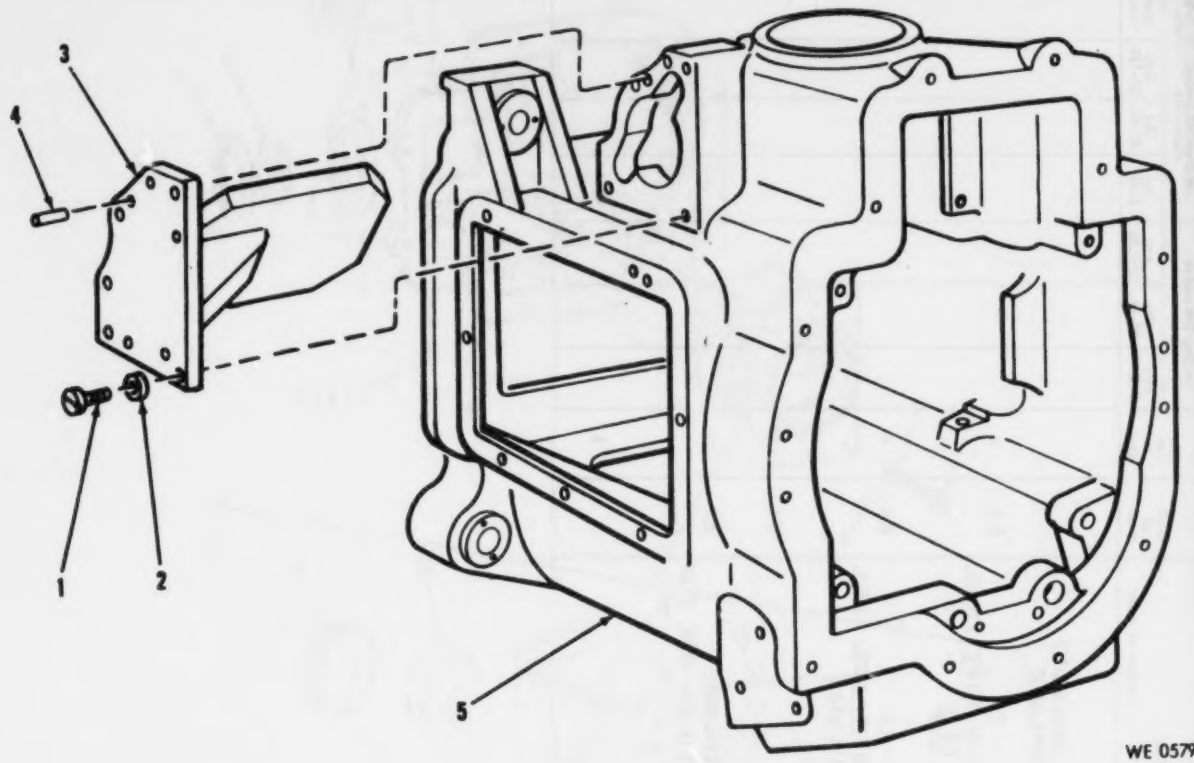


Figure B-31. Upper body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			UPPER BODY ASSEMBLY EXPLODED VIEW												
	XB D	.....	STAND-OFF: 10539337 (19200)	---	2									B-32	1
N	PA DZ Z	5305–00–059–3090	SETSCREW: HEX SOC, CONE PT, CRES, PSVT FNSH, NO. 10–32UNF–3A, 1/4 IN. L MS51038–59 (96906)	EA	4									B-32	2
N	PA DZ Z	5340–00–479–4478	INSERT, SCREW THREAD: 10539336 (19200)	EA	4									B-32	3
N	PA DZ Z	5305–00–727–8832	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 6–32UNC–2A, 0.138 IN. DIA, 7/16 IN. L MS51959–29 (96906)	EA	4									B-32	4
	XB D	.....	KEYWAY: 10539338 (19200)	---	1									B-32	5
	XB D	.....	BODY: 10539729 (19200)	---	1									B-32	8

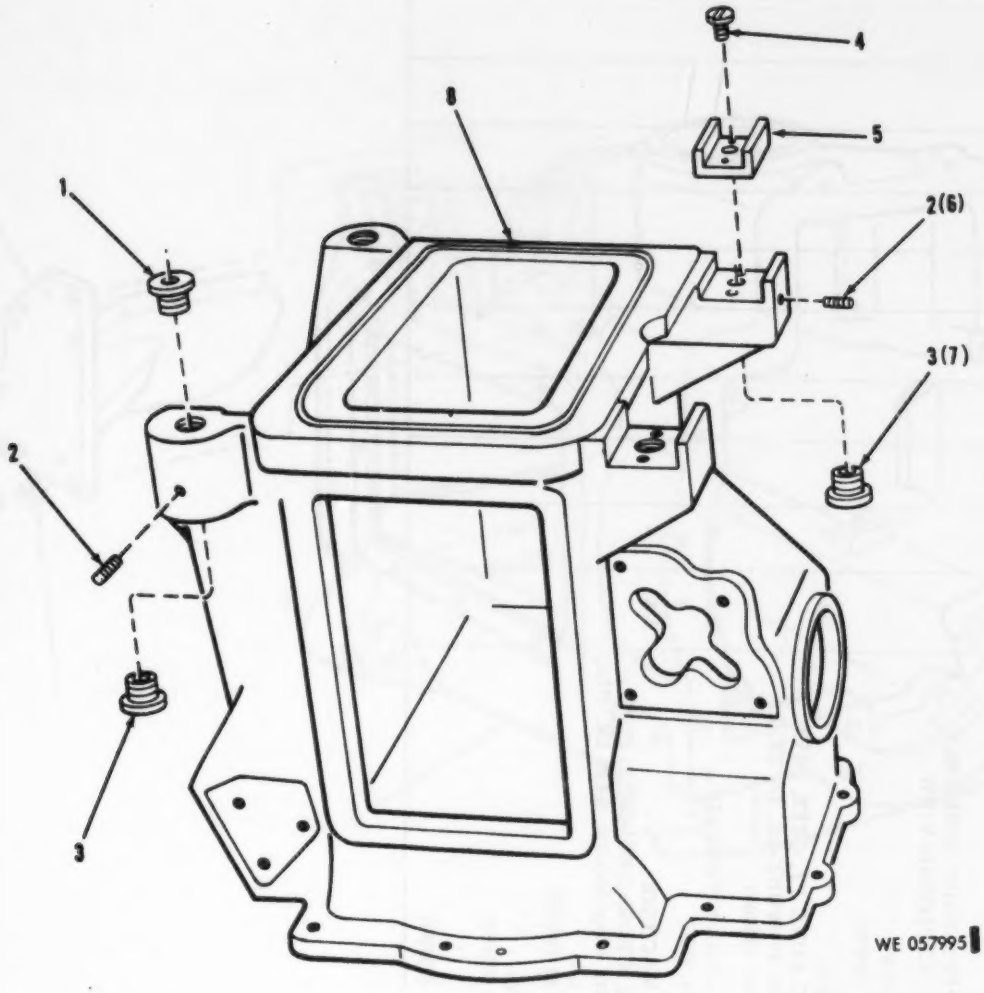


Figure B–32. Upper body assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY TUBE ASSEMBLY AND RELATED PARTS												
C	PA FZ Z	5305-00-939-9188	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 10-24UNC-2A, 1/2 IN. L MS35275-263 (96906)	EA	10									B-33	1
C	PA FZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 10 SCR SIZE MS35338-138 (96906)	EA	10									B-33	2
	XB DD		BODY, LOWER ASSEMBLY: 10539744 (19200)	--	1									B-33	3
	XB DD		TUBE ASSEMBLY: 10539739 (19200)	---	1									B-33	4
C	PA FZ Z	1240-00-913-2855	PACKING, PREFORMED: SYNTH RBR, 8.234 IN. ID 10540280-16 (19200)	EA	1									B-33	5
C	PA FZ Z	5315-00-810-0505	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 5/8 IN. L MS16555-628 (96906)	EA	2									B-33	6
C	PA DZ Z	5305-00-054-5646	SCREW MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/16 IN. L MS51957-12 (96906)	EA	2									B-33	7
	MD D		PLATE, CAUTION: 10539888 (19200)	---	1									B-33	8

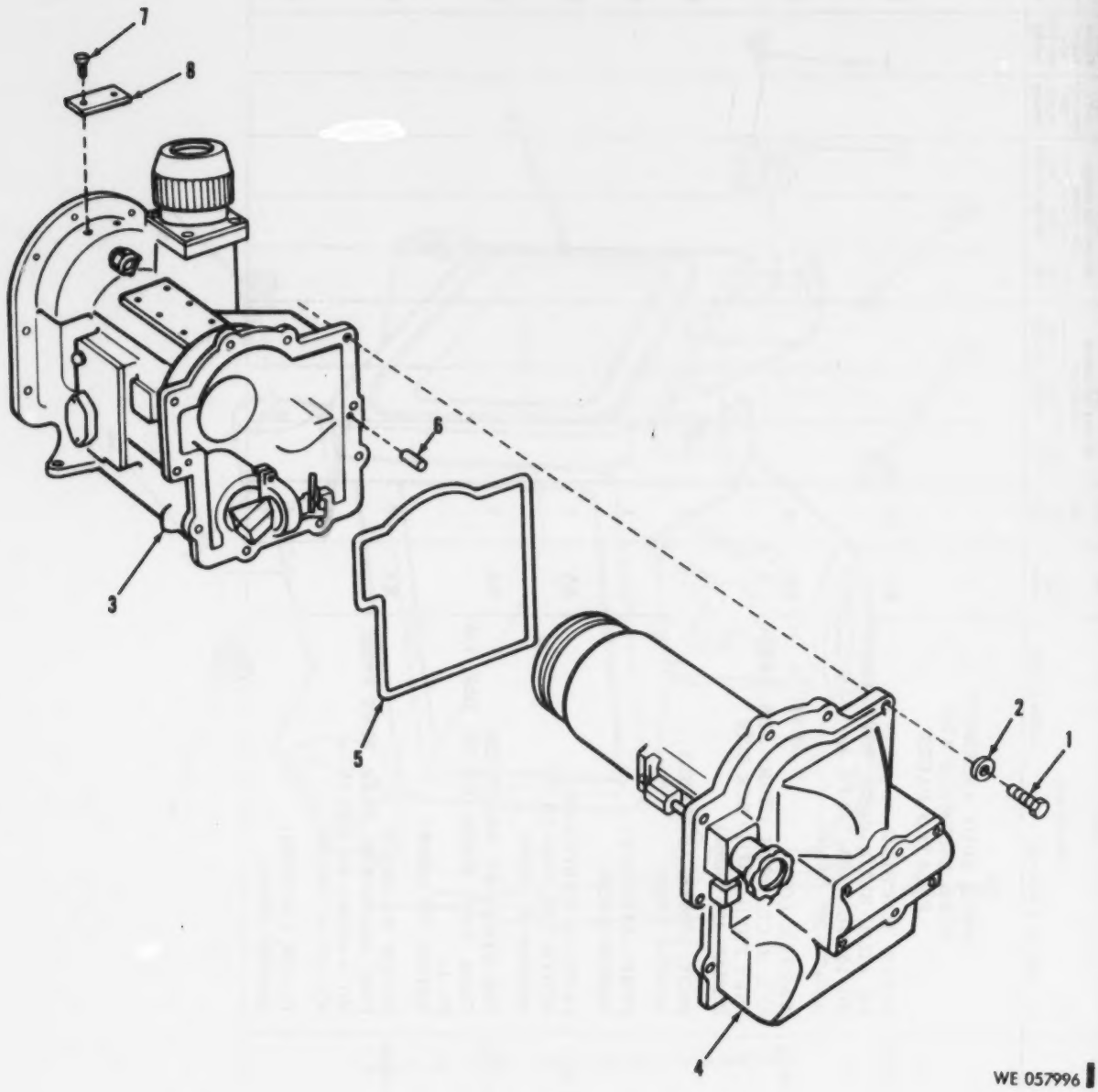


Figure B–33. Lower body assembly, tube assembly and related parts.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-940-9491	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1/2 IN. L MS35275-230 (96906)	EA	3									B-34	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	5									B-34	2
	XB DD	.....	BRACKET ASSEMBLY: 10539618 (19200)	---	1									B-34	3
N	PA DZ Z	5315-00-806-7040	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 1/2 IN. L MS16555-620 (96906)	EA	3									B-34	4
N	PA DZ Z	5305-00-551-0156	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 8-32UNC-3A, 3/16 IN. L MS51021-31 (96906)	EA	1									B-34	5
N	PA DZ Z	1240-00-118-1940	CELL ASSEMBLY: 10539472 (19200)	EA	1									B-34	6
N	PA DZ Z	5305-00-959-1082	SCREW, CAP SOCKET HEAD: HEX, CRES, PSVT FNSH, NO. 6-32UNC-3A, 1/2 IN. L MS16995-18 (96906)	EA	2									B-34	7
N	PA DZ Z	1240-00-119-3964	MIRROR, OPTICAL INSTRUMENT: 10539470 (19200)	EA	1									B-34	9
N	PA DZ Z	5305-00-655-9246	SETSCREW: HEX SOC, CUP PT, CRES, PSVT FNSH, NO. 4-40UNC-3A, 3/16 IN. L MS51021-10 (96906)	EA	1									B-34	11
N	PA DZ Z	1240-00-118-5601	CELL ASSEMBLY, OPTICAL INSTRUMENT: 10539471 (19200)	EA	1									B-34	12
N	PA DZ Z	1240-00-118-5600	PRISM, OPTICAL INSTRUMENT, MOUNTED: 10539617 (19200)	EA	1									B-34	13

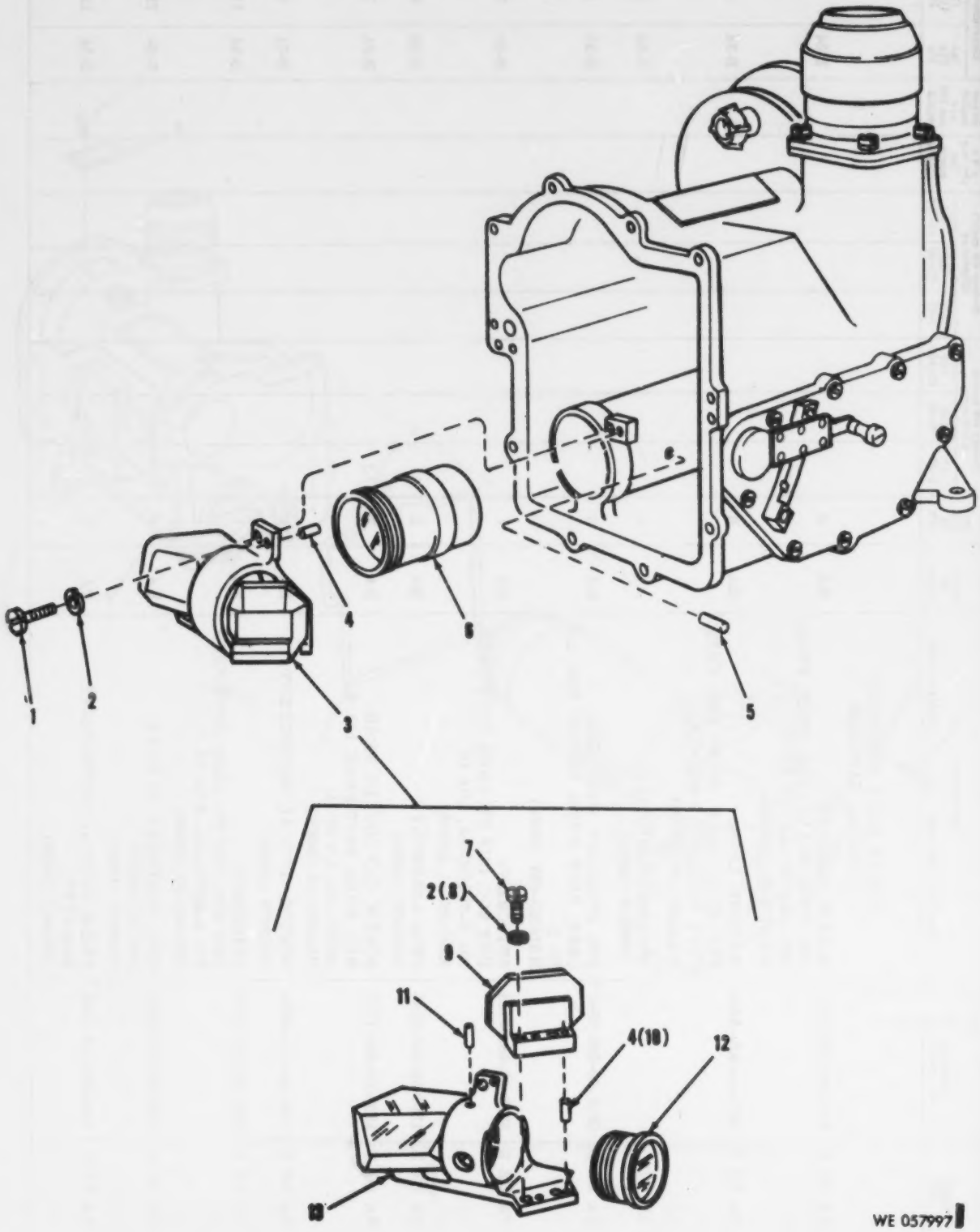


Figure B-34. Lower body assembly—partial explode.

(1) Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(6) (b) 21–50	(6) (c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(7) (b) 21–50	(7) (c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(10) (b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305–00–922–6286	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6–32UNC–2A, 3/8 IN. L MS35275–228 (96906)	EA	6									B-35	1
C	PA DZ Z	5310–00–929–6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338–136 (96906)	EA	6									B-35	2
	XB DD	. . . . .	COVER ASSEMBLY: 10539738 (19200)	. . .	1									B-35	3
N	PA DZ Z	5330–00–133–1962	PACKING, PREFORMED: 10540280–11 (19200)	EA	1									B-35	4
N	PA DZ Z	5315–00–988–7409	PIN, STRAIGHT HEADLESS: CRES, PSVT FNSH, 5/32 IN. DIA, 1/2 IN. L MS16555–634 (96906)	EA	2									B-35	5

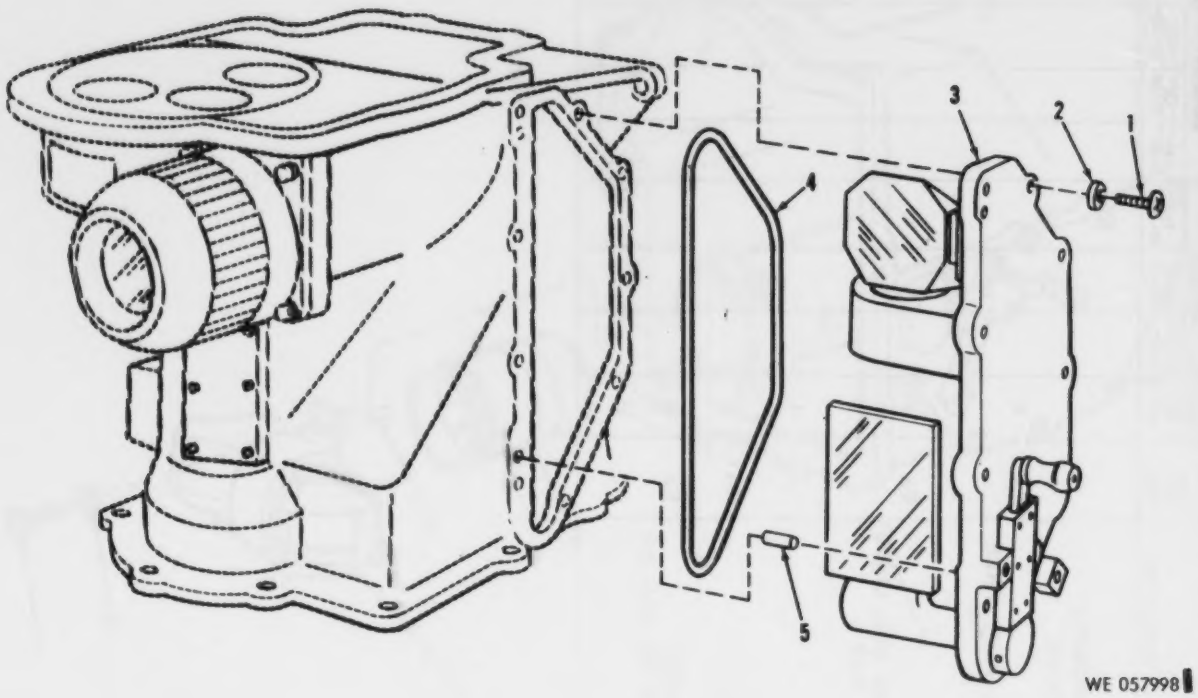


Figure B–35. Lower body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY COVER ASSEMBLY EXPLODED VIEW												
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35375-229 (96906)	EA	3									B-36	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	5									B-36	2
N	PA DZ Z	1240-00-119-3963	PRISM, OPTICAL INSTRUMENT MOUNTED: 10539620 (19200)	EA	1									B-36	3
N	PA DZ Z	5315-00-928-9534	PIN, STRAIGHT, HEADLESS: CRES, 0.125 IN. OD, 0.625 IN. L MS9390-19 (96906)	EA	2									B-36	4
N	PA DZ Z	5315-00-047-2201	PIN, SPRING, TUBULAR, COILED, MEDIUM DUTY: MS51923-466 (96906)	EA	1									B-36	5
N	PA DZ Z	1240-00-930-6738	ARM ASSEMBLY 10539622 (19200)	EA	1									B-36	6
N	PA DZ Z	1240-00-930-6762	MIRROR, OPTICAL INSTRUMENT: 10539473 (19200)	EA	1									B-36	7
N	PA DZ Z	1240-00-930-6769	PACKING, PREFORMED: 8624710-8 (19200)	EA	1									B-36	8
N	PA DZ Z	5305-00-940-9491	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1/2 IN. L MS35275-230 (96906)	EA	2									B-36	9
	XB D		DETENT: 11740095 (19200)		1									B-36	11
N	PA DZ Z	5315-00-806-7040	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 1/2 IN. L MS16555-620 (96906)	EA	2									B-36	12
	XB D		COVER: 10539735 (19200)		1									B-36	13

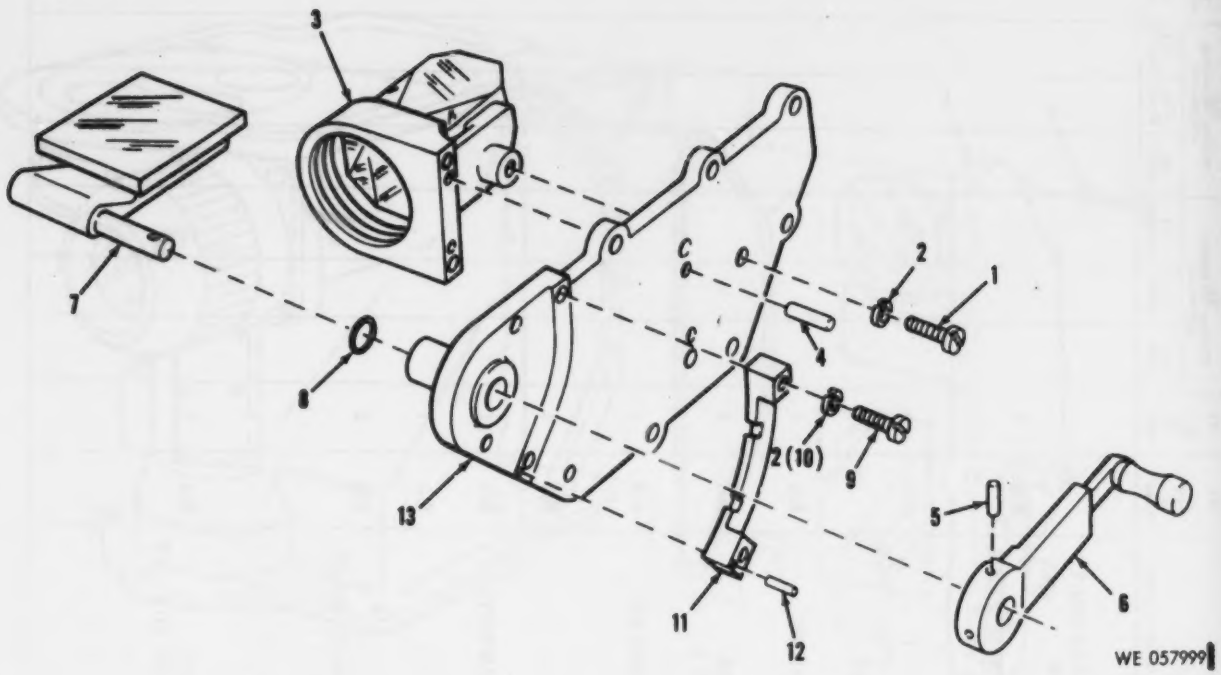


Figure B–36. Lower body cover assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
C	PA FZ Z	5305-00-942-8431	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 8-32UNC-2A, 1/2 IN. L MS35275-245 (96906)	EA	4									B-37	1
C	PA FZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	4									B-37	2
C	PA FD L	1240-00-930-6749	EYEPIECE ASSEMBLY, OPTICAL INSTRUMENT: 10539712 (19200)	EA	1									B-37	3
C	PA FZ Z	5330-00-133-1961	PACKING, PREFORMED: 10540280-7 (19200)	EA	1									B-37	4
C	PA FZ Z	5305-00-940-9489	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-227 (96906)	EA	8									B-37	5
C	PA FZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	8									B-37	6
N	PA FZ Z	1240-00-155-4937	PLATE: 10539434 (19200)	EA	1									B-37	7

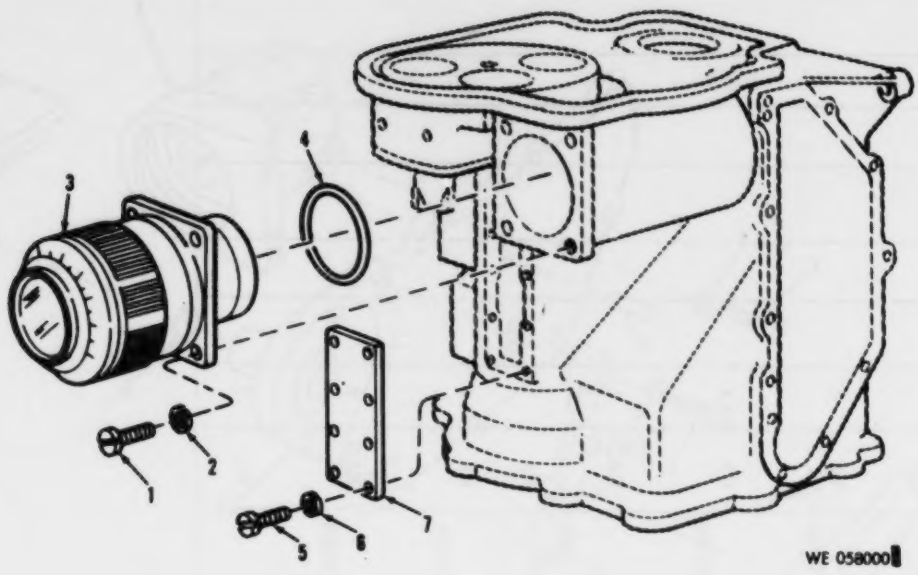


Figure B-37. Lower body assembly—partial explode.

Actn chag code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			EYEPIECE ASSEMBLY EXPLODED VIEW												
N	PA DZ Z	5305-00-725-0118	SETSCREW: HEX SOC, CONE PT, CRES, PSVT FNSH, NO. 0-80UNF-3A, 0.060 IN. OD, 3/32 IN. L MS51038-1 (96906)	EA	2									B-38	1
N	PA DZ Z	1240-00-930-6780	RING, EXTERNALLY THREADED: 10539367 (19200)	EA	1									B-38	2
N	PA DZ Z	5305-00-527-5737	SETSCREW: HDLS, SOC DR, FP, CRES, PASS. FIN., NO. 4-48NF-3A, 1/8 IN. L MS51038-16 (96906)	EA	2									B-38	3
N	PA DZ Z	1240-00-239-5876	DIOPTER SCALE: 10539550 (19200)	EA	1									B-38	4
N	PA DZ Z	5305-00-081-2651	SETSCREW: HEX SOC, CONE PT, CRES, PSVT FNSH, NO. 2-64UNF-3A, 3/32 IN. L MS51038-15 (96906)	EA	4									B-38	5
N	PA DZ Z	1240-00-930-6776	RING, RETAINING, OPTICAL: 10539370 (19200)	EA	1									B-38	6
N	PA DZ Z	5340-00-930-6783	SHIM: PLASTIC 10539407 (19200)	EA	2									B-38	7
	XB D		RING, DIOPTER: 10539371 (19200)		1									B-38	8
	XB D		STOP: 10539267 (19200)		1									B-38	10
	XB D		CELL, OPTICAL INSTRUMENT: 10539551 (19200)		1									B-38	11
N	PA DZ Z	5330-00-133-1967	PACKING, PREFORMED: 10539332-2 (19200)	EA	1									B-38	12
N	PA DZ Z	1240-00-930-6774	RING, EXTERNALLY THREADED: 10539366 (19200)	EA	1									B-38	13
N	PA DZ Z	1240-00-930-6758	LENS, OPTICAL INSTRUMENT: 10539273 (19200)	EA	1									B-38	14

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			EYEPIECE ASSEMBLY EXPLODED VIEW—Continued												
N	PA DZ Z	1240-00-030-6775	RING, EXTERNALLY THREADED: 10539368 (19200)	EA	1									B-38	16
N	PA DZ Z	1240-00-930-6755	LENS, OPTICAL INSTRUMENT: 10539270 (19200)	EA	1									B-38	17
N	PA DZ Z	1240-00-930-6785	SPACER: 10539549 (19200)	EA	1									B-38	18
N	PA DZ Z	1240-00-930-6756	LENS, OPTICAL INSTRUMENT: 10539271 (19200)	EA	1									B-38	19
N	PA DZ Z	1240-00-930-6784	SPACER: 10539369 (19200)	EA	1									B-38	20
N	PA DZ Z	1240-00-930-6757	LENS, OPTICAL INSTRUMENT: 10539272 (19200)	EA	1									B-38	21
	XB D	.....	CELL, OPTICAL INSTRUMENT: 10539658 (19200)	...	1									B-38	22

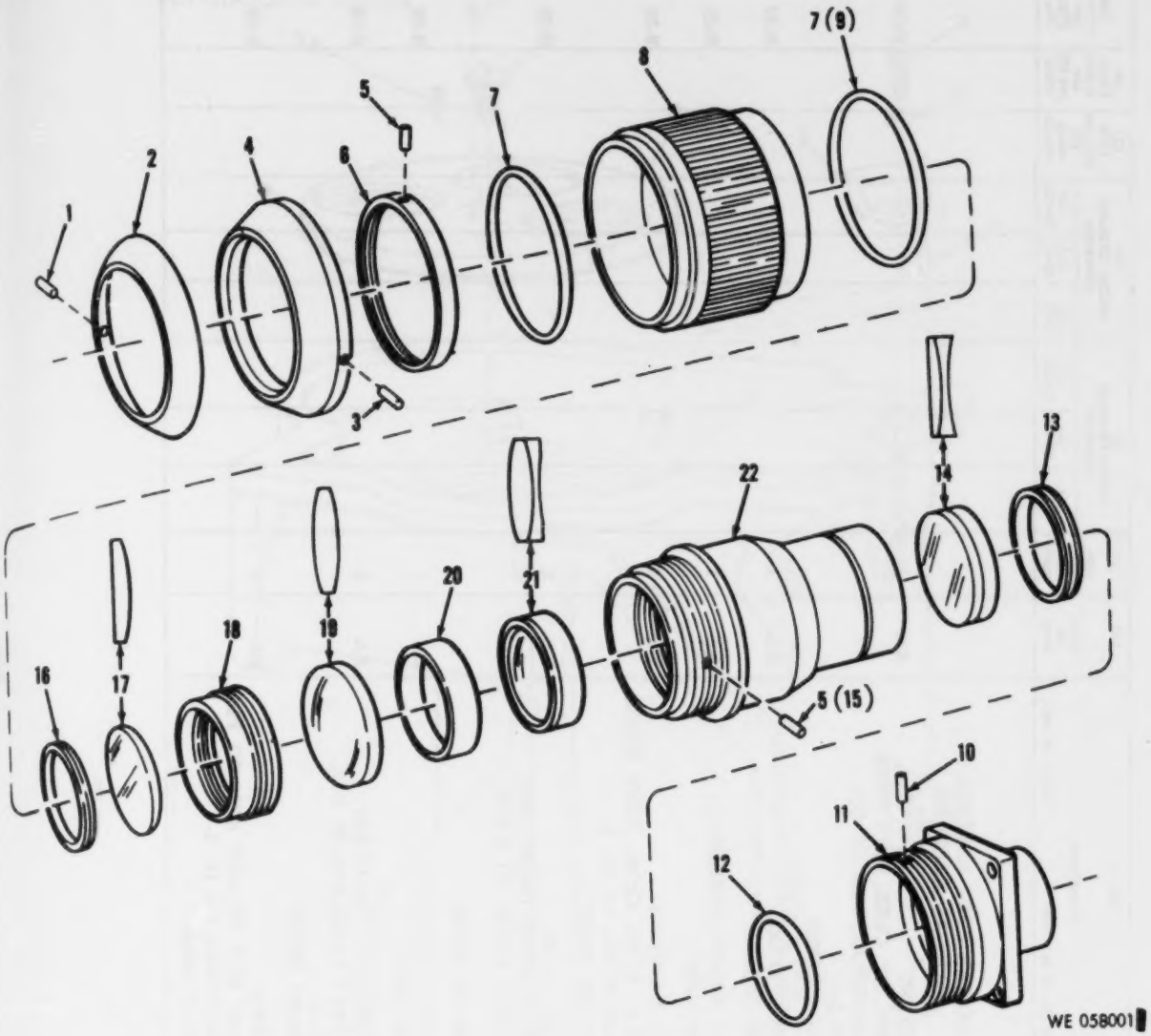


Figure B–38. Eyepiece assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgry	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-724-3421	SETSCREW: HEX SOC, FP, CRES, PSVT FNSH, NO. 2-64UNF-3A, 0.086 IN. OD, 3/16 IN. L MS51031-9 (96906)	EA	1									B-39	1
N	PA DZ Z	5305-00-465-9335	SCREW, SPECIAL: 10539380 (19200)	EA	1									B-39	2
N	PA DZ Z	1240-00-930-6750	FILTER WHEEL ASSEMBLY: 10539609 (19200)	EA	1									B-39	3
N	PA DZ Z	5305-00-922-6286	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 3/8 IN. L MS35275-228 (96906)	EA	2									B-39	4
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	2									B-39	5
N	PA DZ Z	1240-00-930-6772	PLUNGER ASSEMBLY: 10539623 (19200)	EA	1									B-39	6
N	PA DZ Z	5315-00-682-1726	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 5/16 IN. L MS16555-617 (96906)	EA	2									B-39	7
N	PA DZ Z	5305-00-723-9402	SETSCREW: HEX SOC, CUP PT, ALY STL, CD PL, NO. 8-32UNC-2A, 3/4 IN. L MS51963-41 (96906)	EA	1									B-39	8

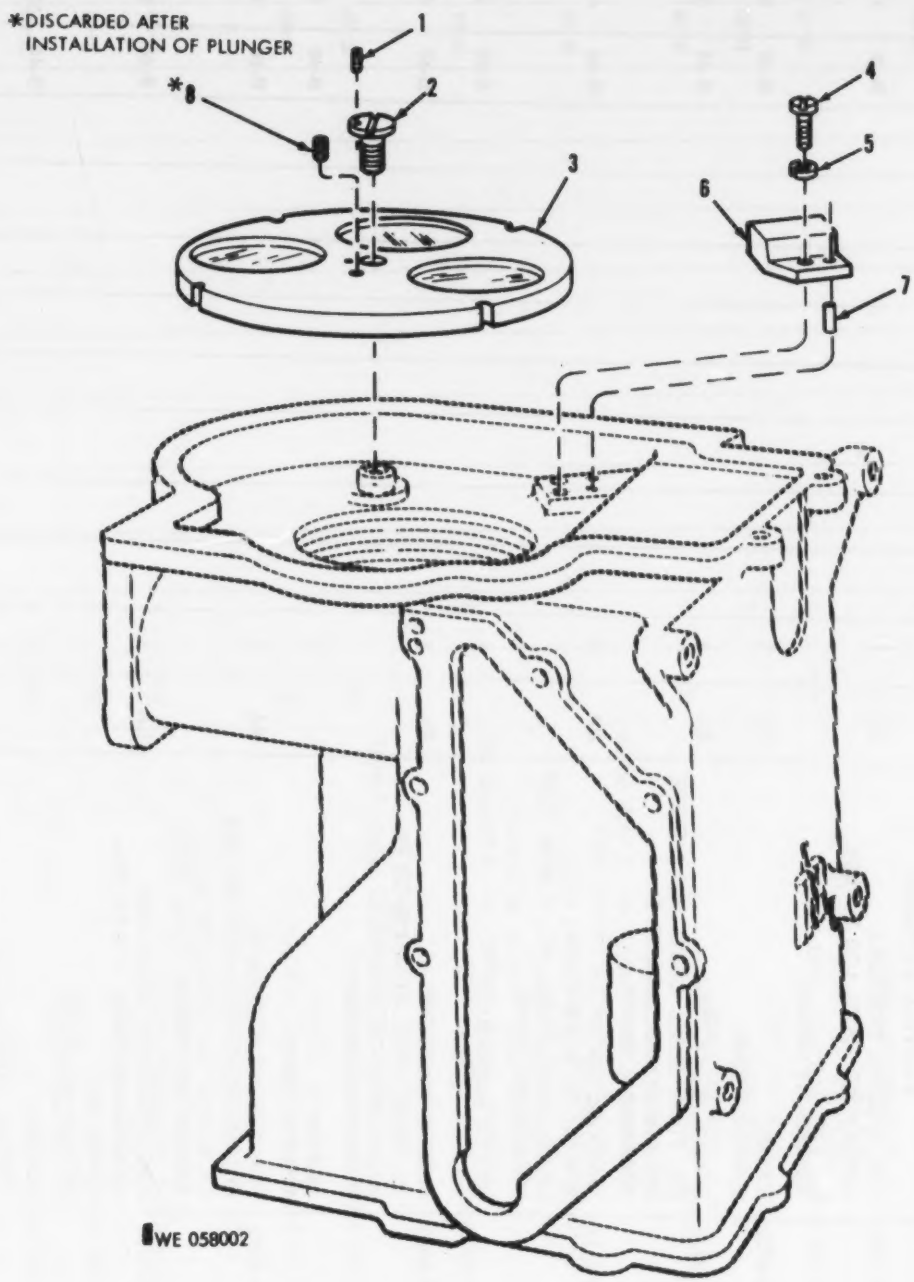


Figure B–39. Lower body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5315-00-088-6737	PIN, SPRING, TUBULAR: COILED HD CRES, 1/16 IN. DIA, 1 IN. L MS39086-111 (96906)	EA	1									B-40	1
N	PA DZ Z	5355-00-930-6753	KNOB: 10539543 (19200)	EA	1									B-40	2
C	PA DZ Z	5305-00-925-4774	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS35275-214 (96906)	EA	4									B-40	3
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	8									B-40	4
	XB DD	. . . . .	COVER ASSEMBLY: 10552778 (19200)	. . .	1									B-40	5
N	PA DZ Z	5305-00-957-6643	SCREW, MACHINE: FL CSKH, CROSS-REC, CS, CD PL, NO. 2-56UNC-2A, 5/16 IN. L MS35190-212 (96906)	EA	2									B-40	6
	XB D	. . . . .	PLATE: 10552776 (19200)	. . .	1									B-40	7
N	PA DZ Z	5315-00-846-2143	PIN, SPRING, TUBULAR: COILED HD, CRES, 1/8 IN. DIA, 3/8 IN. L MS39086-137 (96906)	EA	1									B-40	8
C	PA DZ Z	5315-00-807-7684	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 1/4 IN. L MS16555-603 (96906)	EA	1									B-40	9
	XB D	. . . . .	COVER: 10539531 (19200)	. .	1									B-40	10
N	PA DZ Z	5315-00-806-7039	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 3/8 IN. L MS16555-604 (96906)	EA	1									B-40	11

| | | |

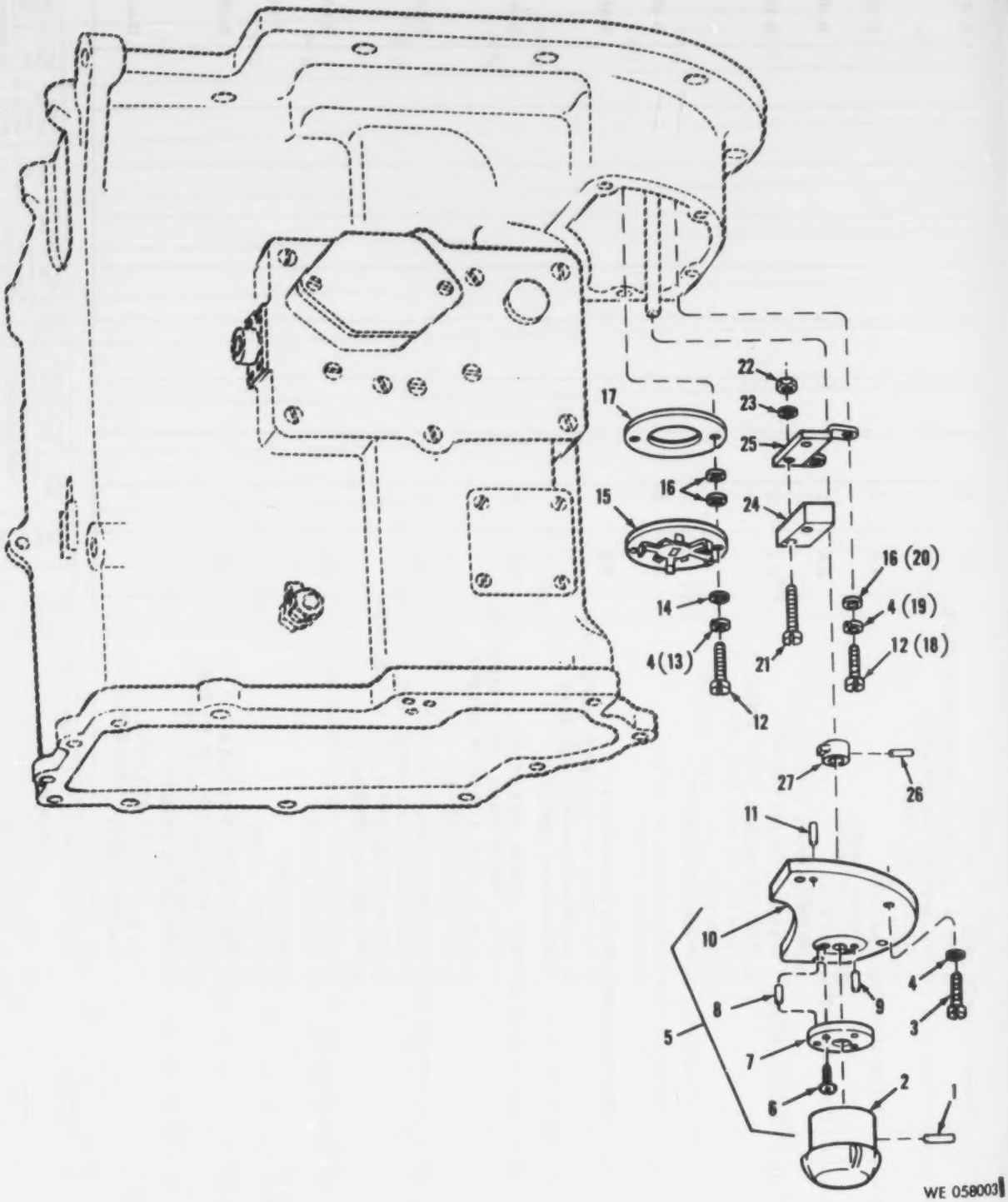


Figure B–40. Lower body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
	XB D	....	GEAR: 10539541 (19200)		1									B-41	1
N	PA DZ Z	5330-00-905-9175	PACKING, PREFORMED: 8589770 (19200)	EA	2									B-41	2
N	PA DZ Z	5340-00-298-6564	RING, RETAINING: EXT, BSC, TPR SECT TYPE, CRES, 0.250 IN. NORM R SIZE MS16624-4025 (96906)	EA	1									B-41	3
	XB D	....	GEAR: 10539540 (19200)		1									B-41	4
N	PA DZ Z	5305-00-922-6286	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 3/8 IN. L MS35275-228 (96906)	EA	2									B-41	6
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	2									B-41	7
	XB D	. .. .	PLATE: 10539542 (19200)	...	1									B-41	8
	XB D	.....	BUSHING, SLEEVE: 10539356 (19200)	.	2									B-41	9

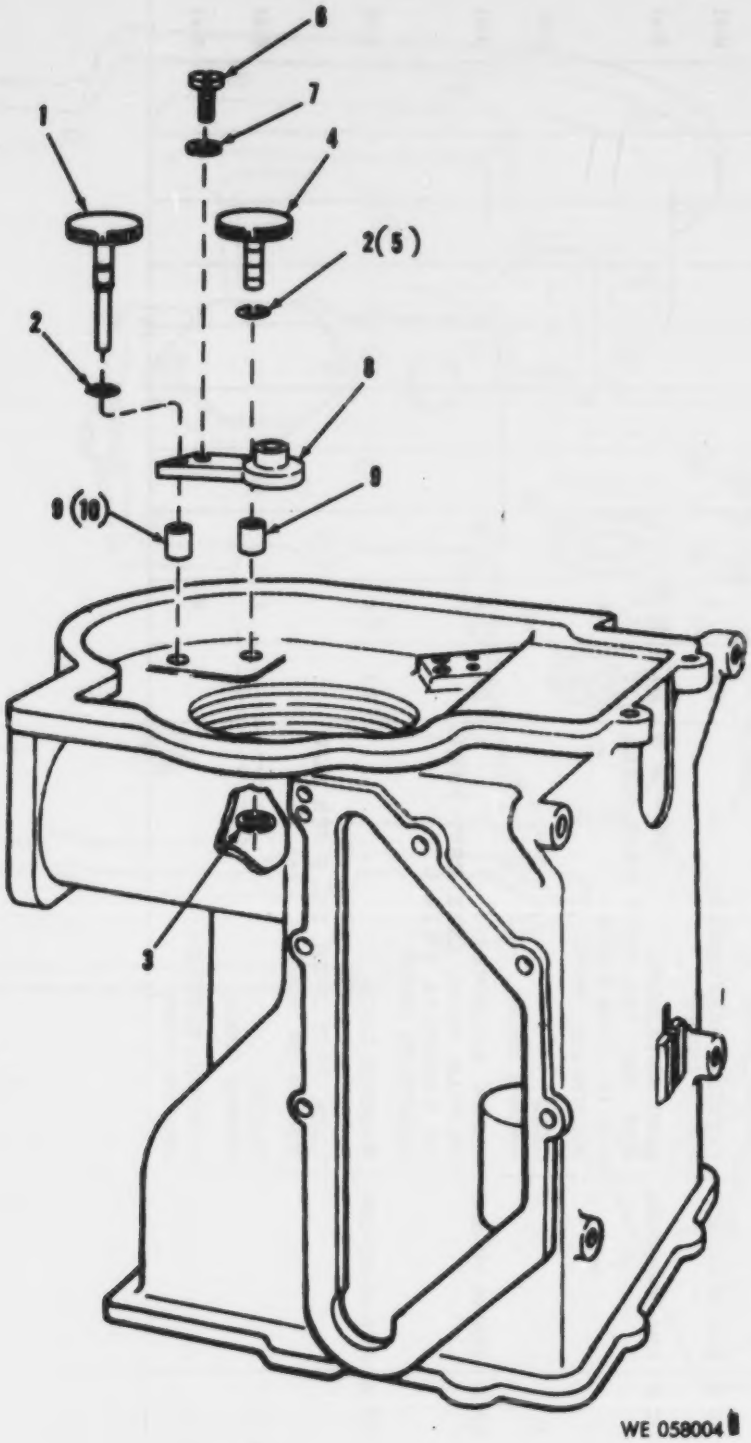


Figure B-41. Lower body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 10-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LOWER BODY ASSEMBLY PARTIAL EXPLODE												
C	PA FZ Z	5305-00-763-7822	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS51959-14 (96906)	EA	6									B-42	1
C	PA FD L	1240-00-052-3963	REGULATOR ASSEMBLY: 10539706 (19200)	EA	1									B-42	2
N	PA DZ Z	5935-00-767-1306	CONNECTOR, RECEPTACLE: 10539898 (19200)	EA	1									B-42	3
C	PA DZ Z	5305-00-940-9489	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-227 (96906)	EA	4									B-42	4
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4									B-42	5
	XB D		KEYWAY: 10539558 (19200)	---	1									B-42	6
C	PA DZ Z	5315-00-807-7684	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 5/16 IN. L MS16555-603 (96906)	EA	1									B-42	7
C	PA FZ Z	2640-00-507-9260	CAP, TIRE VALVE: 8200055 (19200)	EA	1									B-42	8
C	PA FZ Z	2640-00-060-3543	VALVE CORE: MS51377-2 (96906)	EA	1									B-42	9
C	PA FZ Z	2640-00-114-1096	VALVE, STEM: MS51607-1 (96906)	EA	1									B-42	10
C	PA FZ Z	1240-00-455-1487	STRAP: 11729354 (19200)	EA	1									B-42	11
	XB D		BUSHING: 10539396 (19200)	---	1									B-42	12
N	PA DZ Z	1240-00-913-2749	CONTACT ASSEMBLY: 10539476 (19200)	EA	2									B-42	13
	XA		BODY: 10539730 (19200)		1									B-42	15

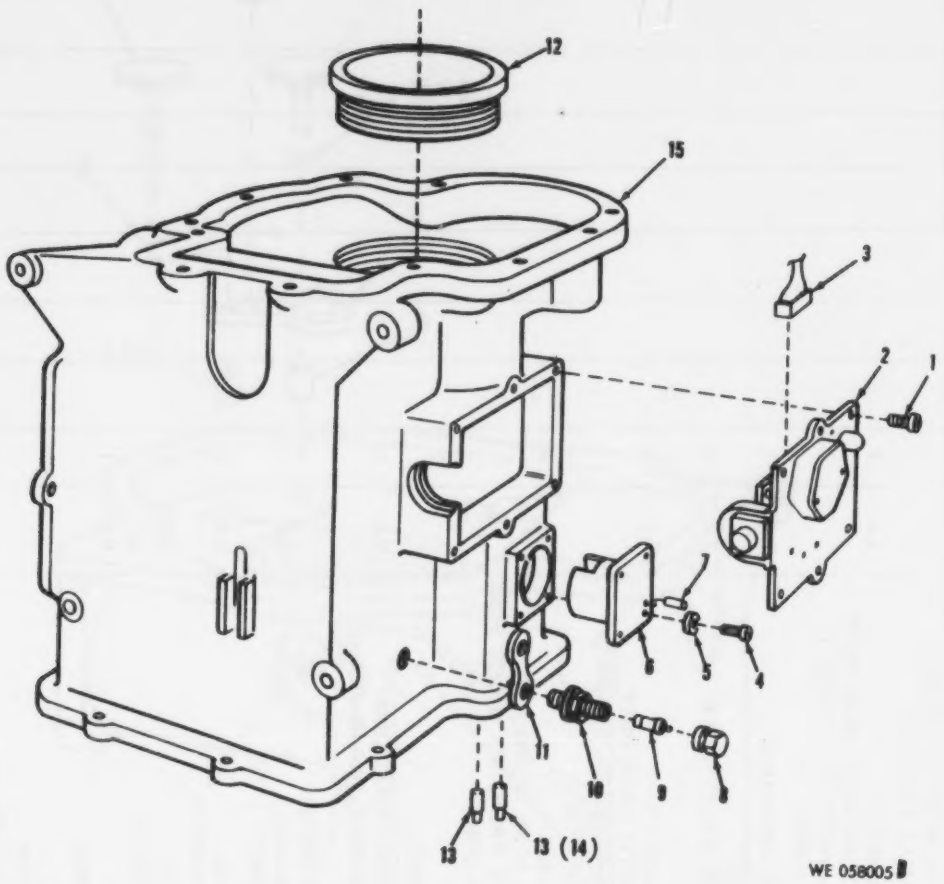


Figure B-42. Lower body assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			REGULATOR ASSEMBLY EXPLODED VIEW												
C	PA FZ Z	6210-00-553-1102	INDICATOR LIGHT: 10539900 (19200)	EA	1									B-43	1
C	PA DZ Z	5305-00-941-3551	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS35275-213 (96906)	EA	4									B-43	2
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906	EA	6									B-43	3
C	PA DZ Z	5935-00-964-5470	CONNECTOR, RECEPTACLE, ELECTRICAL: MS3112E8-3P (96906)	EA	1									B-43	4
C	PA DZ Z	5330-00-905-9174	GASKET: MS51007-1 (96906)	EA	1									B-43	5
N	PA DZ Z	5305-00-054-5637	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS51957-3 (96906)	EA	4									B-43	6
N	PA DZ Z	6110-00-420-4310	CIRCUIT BOARD ASSEMBLY 10539705 (19200)	EA	1									B-43	7
C	PA DZ Z	5305-00-763-7822	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS51959-14 (96906)	EA	2									B-43	8
	XB D		COVER: 10539950 (19200)		1									B-43	9
N	PA DZ Z	5310-00-934-9748	NUT, PLAIN, HEXAGON: CRES, PSVT FNSH, NO. 4-40UNC-2B, 3/32 IN. THK, 1/4 IN. W ACRFLT MS35649-244 (96906)	EA	2									B-43	10
N	PA DZ Z	5305-00-054-5652	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/8 IN. L MS51957-18 (96906)	EA	2									B-43	12
N	PA DZ Z	5310-00-939-1063	WASHER, LOCK: FL EXT TOOTH, TIN BRS OR PH BRZ, NO. 4 SCR SIZE MS35335-85 (96906)	EA	2									B-43	13

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			REGULATOR ASSEMBLY EXPLODED VIEW—Continued												
N	PA DZ Z	5940-00-686-8168	TERMINAL: MS35430-3 (96906)	EA	1									B-43	14
	MD DZ Z	.....	TUBING, INSULATION: SHRINK, CUT TO L AT ASSY, CL 1, CLR WHT, EXPANDED ID .093 IN. MIN (SEE MIL-I-23053 IN BULK ITEMS LIST)	..	1									B-43	15
N	PA DZ Z	5961-00-902-8821	TRANSISTOR: 8589836 (19200)	EA	1									B-43	17
N	PA DZ Z	5970-00-914-6832	INSULATOR: 8589794 (19200)	EA	1									B-43	18
C	PA DZ Z	5310-00-938-2013	NUT, PLAIN, HEXAGON: CRES, PSVT FNSH, NO. 2-56UNC-2B, 1/16 IN. THK, 3/16 IN. W ACRFLT MS35649-224 (96906)	EA	3									B-43	19
C	PA DZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	7									B-43	20
N	PA DZ Z	5305-00-763-3356	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56 UNC-2A, 3/8 IN. L MS51959-5 (96906)	EA	1									B-43	21
N	PA DZ Z	5961-00-061-5955	SOCKET: 10516350 (19200)	EA	1									B-43	22
N	PA DZ Z	5325-00-133-2097	GROMMET: 10539457 (19200)	EA	1									B-43	23
	XB D..	.....	BUSHING: 10539948 (19200)	...	2									B-43	24
C	PA DZ Z	5305-00-727-8833	SCREW, MACHINE: FL CSKH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS51959-3 (96906)	EA	4									B-43	25

| | | |

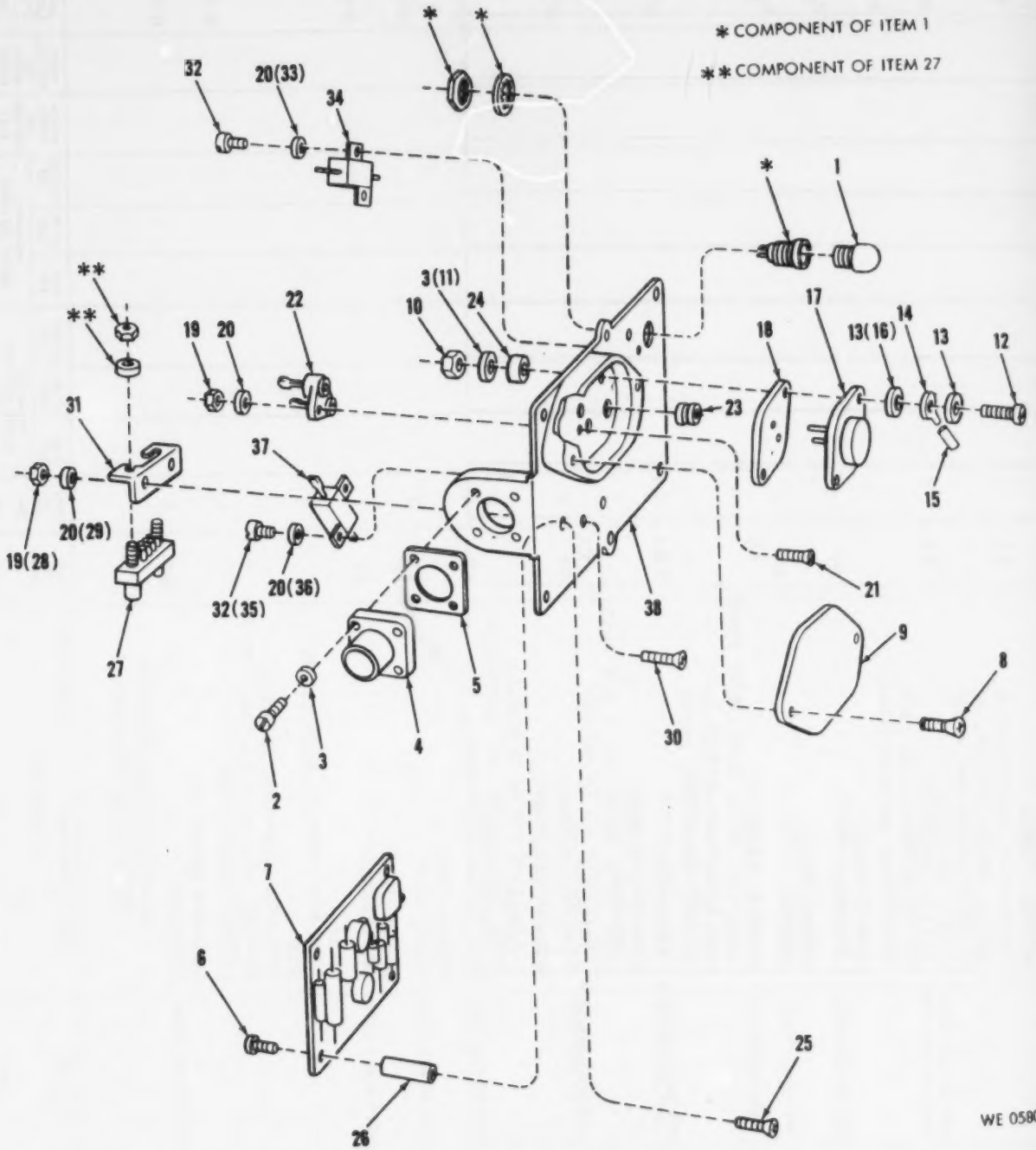


Figure B-43. Regulator assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TUBE ASSEMBLY PARTIAL EXPLODE												
C	PA DZ Z	1240-00-127-4812	RETAINER: 10539386 (19200)	EA	1									B-44	1
C	PA DZ Z	1240-00-121-6292	LENS, OPTICAL INSTRUMENT: 10539274 (1920)	EA	1									B-44	2
C	PA DZ Z	1240-00-134-8978	CAP, HOUSING: 10539557 (19200)	EA	1									B-44	3
C	PA DZ Z	1240-00-172-3573	SPACER, PERISCOPE: 10539564 (19200)	EA	1									B-44	4
C	PA FZ Z	5305-00-945-0505	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/16 IN. L MS35275-212 (96906)	EA	1									B-44	5
C	PA FZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	2									B-44	6
C	PA FZ Z	5310-00-595-6211	WASHER, FLAT: MET, RND, CRES, PSVT FNSH, 0.250 IN. OD, 0.028 THK, No. 4 SCR SIZE MS15795-803 (96906)	EA	2									B-44	7
C	PA FZ Z	5305-00-941-3551	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS35275-213 (96906)	EA	1									B-44	8
C	PA FZ Z	5340-00-985-6633	CLIP: 8585612 (19200)	EA	2									B-44	11
C	PA FZ Z	5935-00-930-6735	CABLE ASSEMBLY: 10552796 (19200)	EA	1									B-44	12
C	PA FZ Z	5855-00-051-2792	TUBE, IMAGE INTENSIFIER, POTTED ASSY.: D-SC-D-611752 (80063)	EA	1									B-44	13
C	PA FZ Z	5305-00-054-5646	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/16 IN. L MS51957-12 (96906)	EA	1									B-44	14

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TUBE ASSEMBLY PARTIAL EXPLODE—Continued												
	XB D		SCREW: 10539398 (19200)		1									B-44	16
C	PA FZ Z	1240-00-930-6752	INSULATOR, BUSHING: 10539399 (19200)	EA	1									B-44	17
C	PA FZ Z	1240-00-930-6744	CONTACT: 10539355 (19200)	EA	1									B-44	18
	XB D		WIRE, ELECTRICAL: TFL CTD, AWG 29 PER MIL-W-16875/5 MILW16875-5 (81349)		V									B-44	19

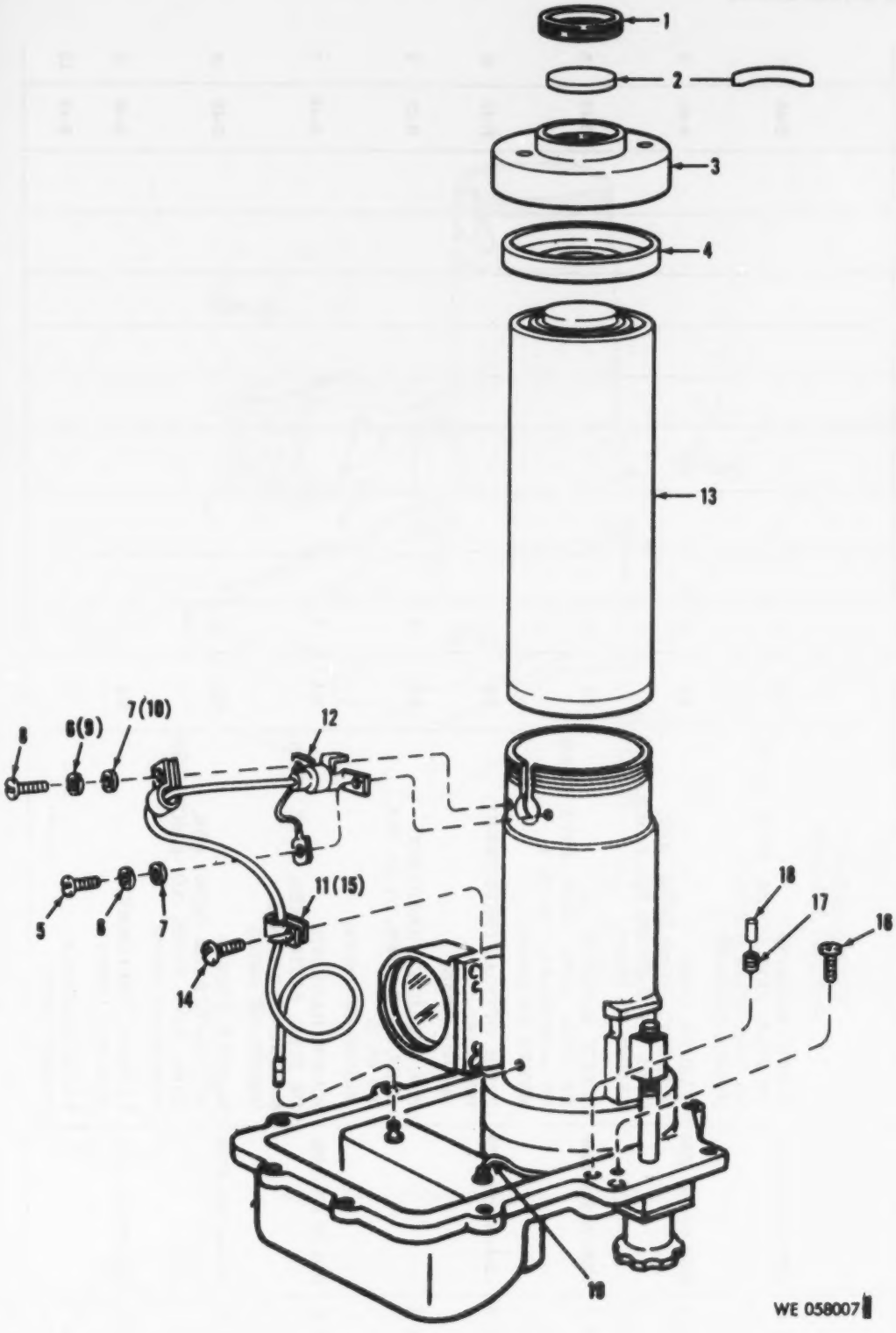


Figure B-44. Tube assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TUBE ASSEMBLY PARTIAL EXPLODE												
N	PA DZ Z	5305-00-940-9491	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1/2 IN. L MS35275-230 (96906)	EA	2									B-45	1
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	3									B-45	2
C	PA DZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	1									B-45	3
N	PA DZ Z	1240-00-121-6289	PRISM, OPTICAL INSTRUMENT, MOUNTED: 10539611 (19200)	EA	1									B-45	5
N	PA DZ Z		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1/2 IN. L MS16555-627 (96906)	EA	2									B-45	6
N	PA DZ Z	5305-00-939-9230	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, 8-32UNC-2A, 3/8 IN. L MS35275-243 (96906)	EA	4									B-45	7
C	PA DZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	4									B-45	8
N	PA DZ Z	5330-00-133-1966	PACKING, PREFORMED: 10539332-1 (19200)	EA	1									B-45	9
	XB DD		KNOB ASSEMBLY: 10539621 (19200)	---	1									B-45	10

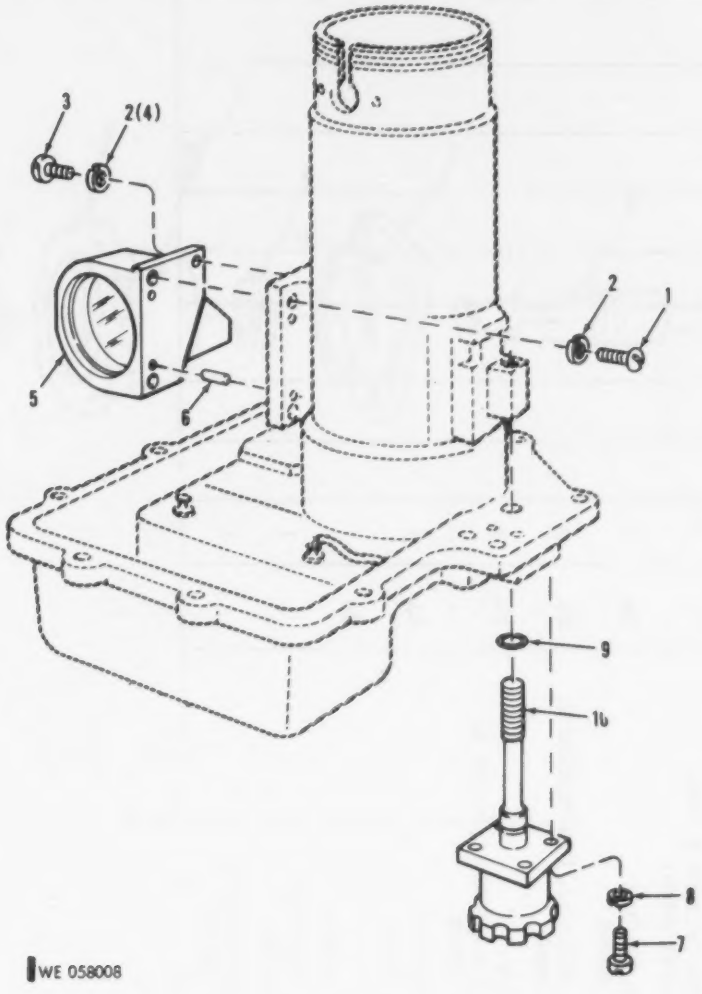


Figure B-45. Tube assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			KNOB ASSEMBLY EXPLODED VIEW												
N	PA DZ Z	5340-00-298-6564	RING, RETAINING: EXT, BSC, TPR SECT TYPE, CRES, 0.250 IN. NOM R SIZE MS16624-4025 (96906)	EA	1									B-46	1
N	PA DZ Z	5310-00-930-6792	WASHER, FLAT: 10539266 (19200)	EA	1									B-46	2
N	PA DZ Z	5340-00-582-4075	SPRING, HELICAL, COMPRESSION: 8590833 (19200)	EA	1									B-46	3
N	PA DZ Z	5305-00-930-6782	SETSCREW: CRES, NO. 8-32UNC-2A, 3/8 IN. L 10539265 (19200)	EA	1									B-46	4
N	PA DZ Z	5355-00-930-6754	KNOB, PINNED: 10539548 (19200)	EA	1									B-46	5
N	PA DZ Z	1240-00-930-6789	STOP: 10539389 (19200)	EA	1									B-46	6
	XB D		CLUTCH, PINNED: 10539547 (19200)		1									B-46	7
	XB D		SHAFT, PERISCOPE: 10539365 (19200)		1									B-46	8

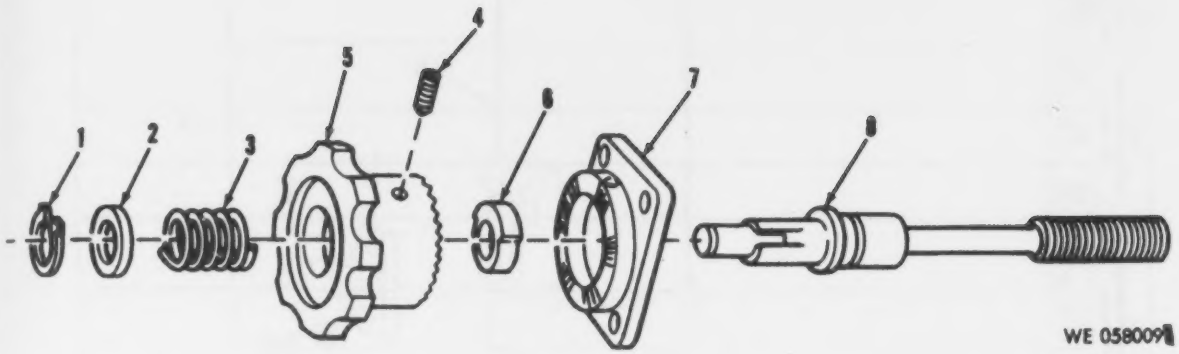


Figure B-46. Knob assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TUBE ASSEMBLY PARTIAL EXPLODE												
	XB D		BUSHING: 10539397 (19200)		1									B-47	1
N	PA DZ Z	5305-00-940-9491	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 1/2 IN. L MS35275-230 (96906)	EA	4									B-47	2
C	PA DZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	6									B-47	3
N	PA DD L	1240-00-004-4836	BRACKET ASSEMBLY: 11727974 (19200)	EA	1									B-47	4
	XB D		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 3/8 IN. L MS16555-618 (96906)		2									B-47	5
	XB DD		HOUSING ASSEMBLY: 10539615 (19200)		1									B-47	6
C	PA DZ Z	5305-00-940-9489	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-227 (96906)	EA	2									B-47	7
	XB D		KEY, PERISCOPE: 10539390 (19200)		1									B-47	9
N	PA DZ Z	5315-00-825-1207	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 1/2 IN. L MS16555-627 (96906)	EA	1									B-47	10
	XB D		HOUSING: 10539660 (19200)		1									B-47	11

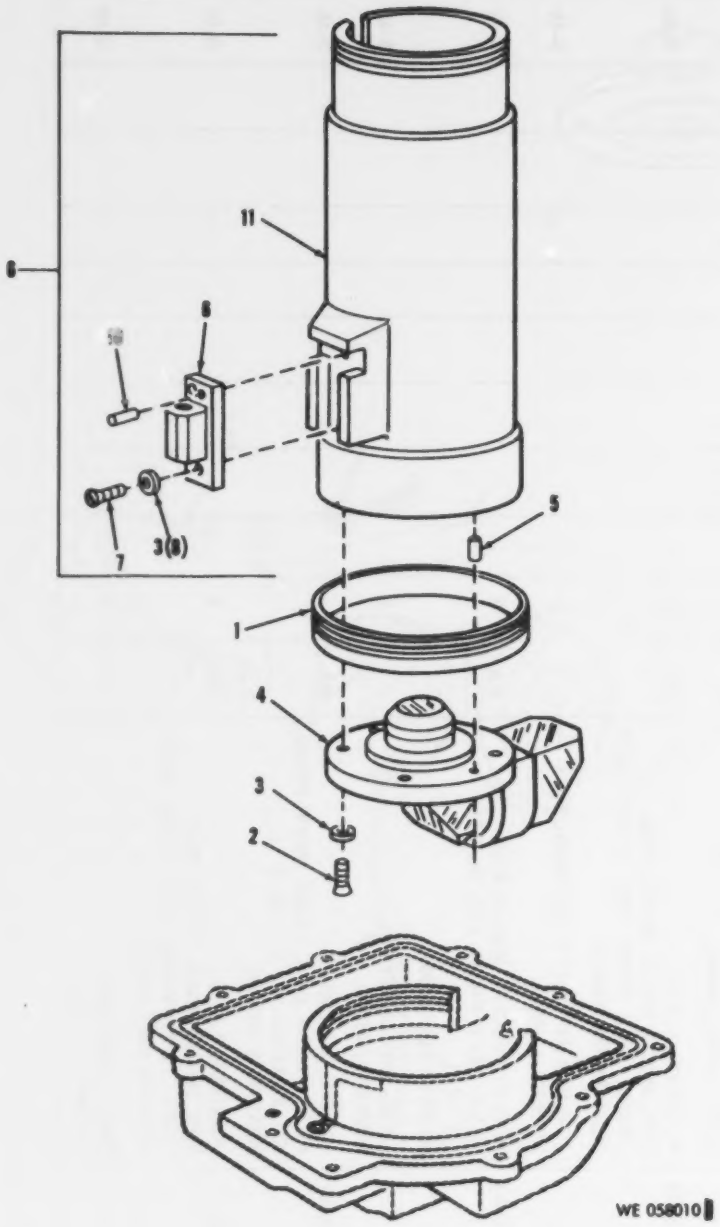


Figure B-47. Tube assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			BRACKET ASSEMBLY EXPLODED VIEW												
C	PA DZ Z	5305-00-925-4774	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS35275-214 (96906)	EA	2									B-48	1
C	PA DZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	2									B-48	2
	XB D	.. ..	PRISM AND PLATE ASSEMBLY: 10539468 (19200)	...	1									B-48	3
C	PA DZ Z	5315-00-702-9651	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 3/8 IN. L MS16555-618 (96906)	EA	2									B-48	4
	XB D	.. ..	LENS, COLLECTIVE: 10539279 (19200)	...	1									B-48	5
N	PA DZ Z	5305-00-054-5637	SCREW, MACHINE: PNH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS51957-3 (96906)	EA	2									B-48	6
	PA DZ Z	5310-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	2									B-48	7
	XA ...	... .	CELL ASSEMBLY: 11731868 (19200)	...	1									B-48	8

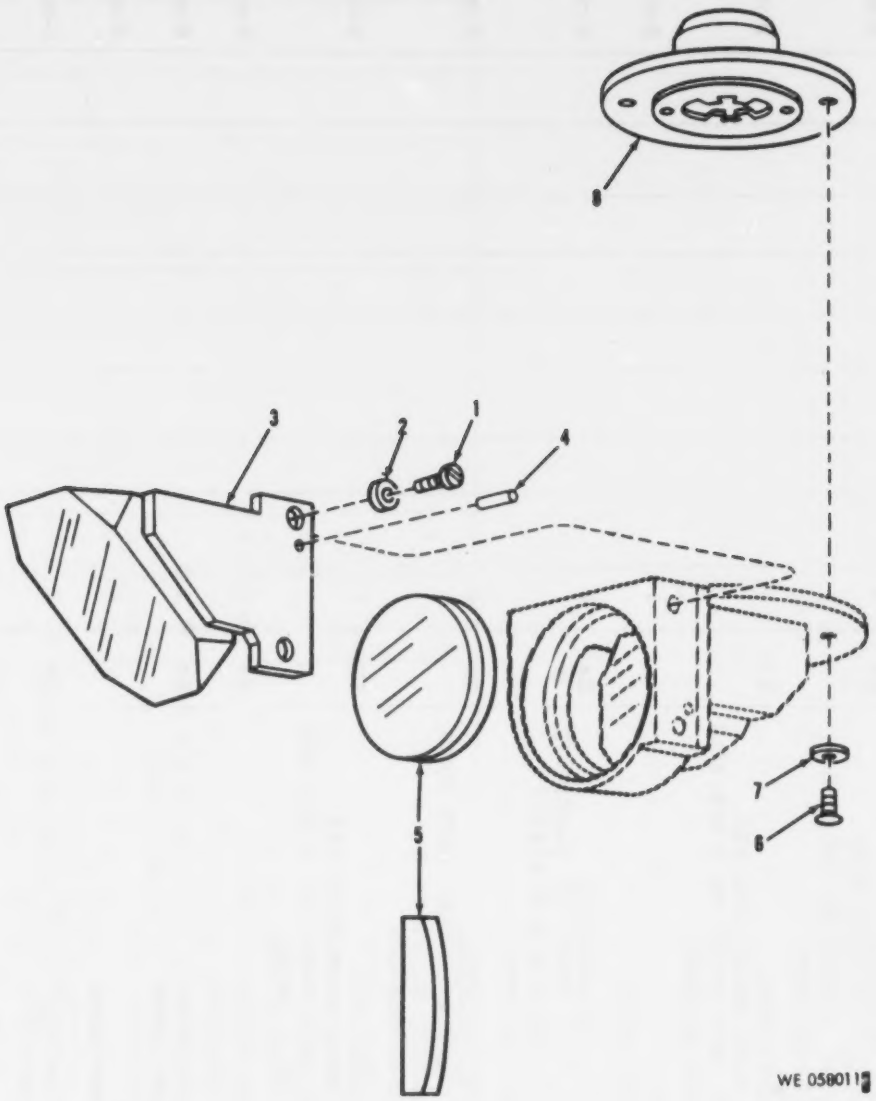


Figure B-48. Bracket assembly—exploded view.

Astn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TUBE ASSEMBLY PARTIAL EXPLODE												
C	PA OZ Z	5305-00-924-8380	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 7/16 IN. L MS35275-229 (96906)	EA	6									B-49	1
C	PA OZ Z	5810-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	6									B-49	2
	XB O	.....	COVER: 11732044 (19200)	...	1									B-49	3
C	PA FZ Z	5310-00-938-2013	NUT, PLAIN, HEXAGON: CRES, PSVT FNSH, NO. 2-56UNC-2B, 1/16 IN. THK, 3/16 IN. W ACRFLT MS35649-224 (96906)	EA	2									B-49	4
C	PA FZ Z	5305-00-054-5638	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 5/16 IN. L MS51957-4 (96906)	EA	2									B-49	5
C	PA FZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	2									B-49	6
C	PA FZ Z	5340-00-232-9976	CLAMP, LOOP: 11731968 (19200)	EA	1									B-49	7
C	PA FZ Z	5340-00-001-4696	CLAMP, LOOP: 11731969 (19200)	EA	1									B-49	11
	XB	.....	NUT: 10539630 (19200)	...	1									B-49	12
C	PA OZ Z	6110-00-122-4651	REGULATOR, POTTED: 10540195 (19200)	EA	1									B-49	13
C	PA FZ Z	1240-00-454-8658	CAP, ELECTRICAL: 10539605 (19200)	EA	1									B-49	14
C	PA OZ Z	6130-00-410-2386	OSCILLATOR, HIGH VOLTAGE: 10549785 (19200)	EA	1									B-49	15

C	PA FZ Z	5995-00-128-1783	CABLE ASSEMBLY: 10539600-1 (19200)	EA	1									B-49	16
C	PA FZ Z	5995-00-130-6197	CABLE ASSEMBLY: 10539600-2 (19200)	EA	1									B-49	17
C	PA FZ Z	5305-00-925-4774	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 5/16 IN. L MS35275-214 (96906)	EA	4									B-49	18
C	PA FZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	4									B-49	19
C	PA FZ Z	1240-00-930-6742	CLIP, ELECTRICAL: 10539394 (19200)	EA	1									B-49	20
	XB D		FEED THRU: 10539915 (19200)		1									B-49	21
	XB D		RECEPTACLE: 10539424 (19200)		1									B-49	22
	XB D		COVER: 10539728 (19200)		1									B-49	23

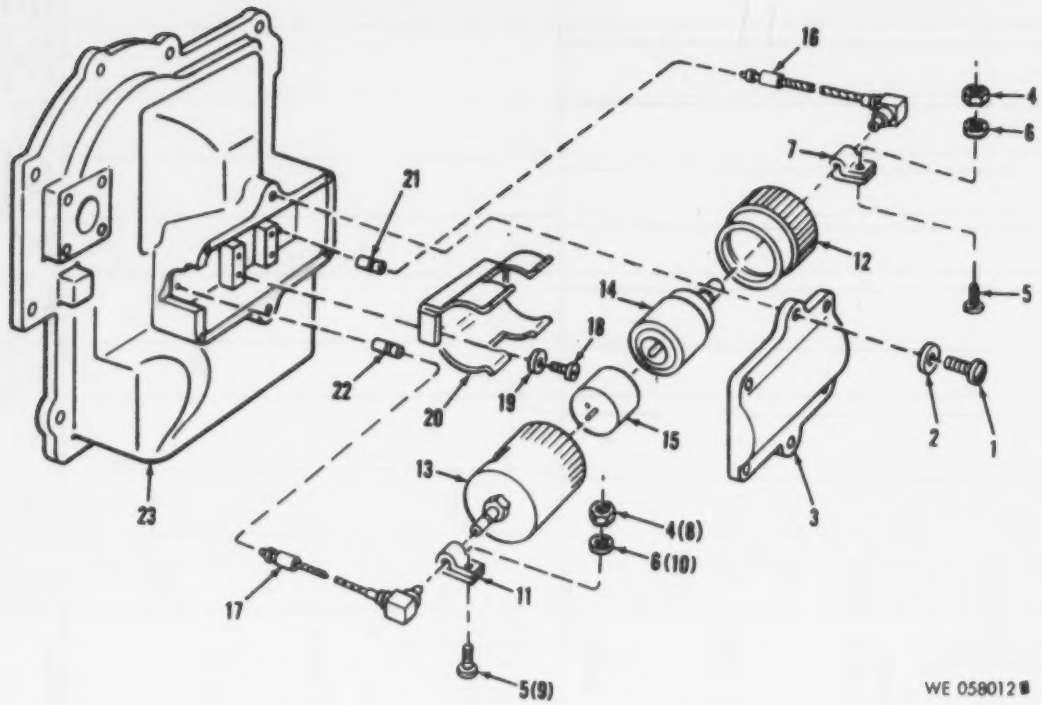


Figure B-40. Tube assembly—partial explode.

(1) Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(6) (b) 21-50	(6) (c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(7) (b) 21-50	(7) (c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(10) (b) Item No.
			WIPER ASSEMBLY PARTIAL EXPLODE												
C	PA FZ Z	5306-00-403-6446	BOLT, EXTERNALLY RELIEVED: HEX HD, CRES, NO. 5/16-24UNF-2A, 1 5/16 IN. L 10538510 (19200)	EA	2									B-50	1
C	PA FZ Z	5310-00-947-6623	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 5/16 SCR SIZE MS35338-140 (96906)	EA	2									B-50	2
	XB O		NUT, SELF-LOCKING: MS21083B4 (96906)		1									B-50	3
	XB O		WASHER, FLAT: AN960B416 (88044)		1									B-50	4
	XB O		WASHER: 11727978 (19200)		1									B-50	5
	AO OO L		WIPER BLADE ASSEMBLY: 11727990 (19200)		1									B-50	6
	XB O		PIN: 11727977 (19200)		1									B-50	7
	XB O		SLEEVE: 11727979 (19200)		1									B-50	8
C	PA FZ Z	5305-00-727-8833	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 1/4 IN. L MS51959-3 (96906)	EA	6									B-50	9
	XA		HOUSING ASSEMBLY: 10538585 (19200)		1									B-50	10
C	PA FZ Z	5330-00-180-9249	PACKING, PREFORMED: SYNTH RBR, 1.112 IN. ID, 0.103 IN. THK 10540280-2 (19200)	EA	1									B-50	11
	XB F		SUPPORT ASSEMBLY: 10538584 (19200)		1									B-50	13
C	PA FZ Z	5305-00-942-2167	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-233 (96906)	EA	4									B-50	14

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			WIPER ASSEMBLY PARTIAL EXPLODE—Continued												
C	PA FZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4									B-50	15
	XA		HOUSING ASSEMBLY (BOTTOM): 10538527 (19200)		1									B-50	16
	XA		COVER ASSEMBLY: 10538526 (19200)		1									B-50	17
C	PA FZ Z	5315-00-702-9651	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 3/32 IN. DIA, 3/8 IN. L MS16555-618 (96906)	EA	2									B-50	18
C	PA FZ Z	5305-00-764-2966	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 3/16 IN. L MS51959-2 (96906)	EA	3									B-50	19
	XB F		PLATE: 10538516 (19200)		1									B-50	20
N	PA DZ Z	9905-00-006-9645	PLATE, IDENTIFICATION: 10538512 (19200)	EA	1									B-50	21

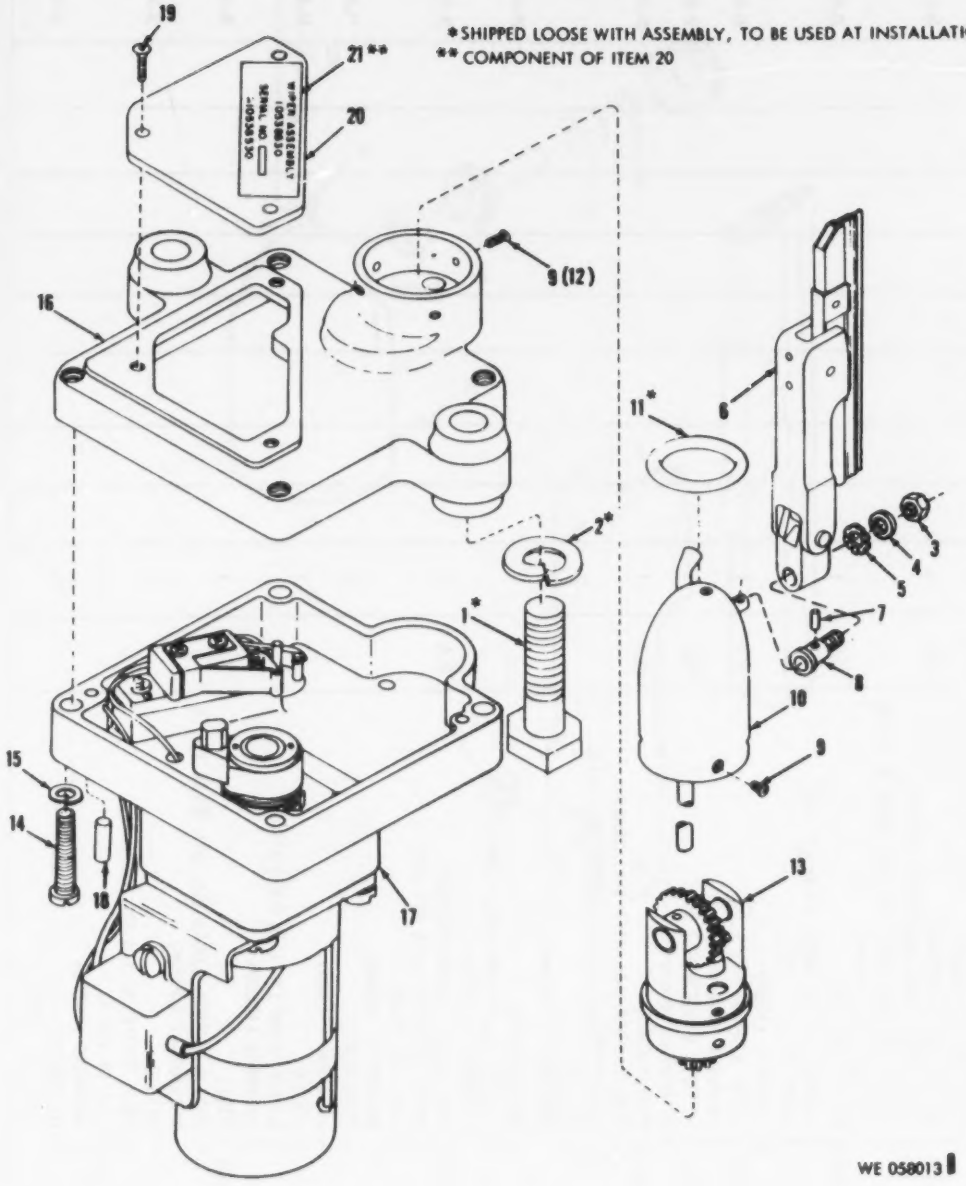


Figure B-50. Wiper assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			WIPER BLADE ASSEMBLY AND SUPPORT ASSEMBLY— EXPLODED VIEW												
C	PA OZ Z	1240-00-003-8405	WIPER BLADE: 11729370-2 (19200)	EA	1									B-51	1
C	PA OZ Z	5340-00-200-2637	RING, RETAINING: EXT, BSC, TPR SECTION TYPE, BERYLLIUM COP, .125 IN NOM R SIZE MS16624-12 (96906)	EA	1									B-51	2
C	PA OZ Z	1240-00-930-6832	PIN, SPECIAL: CRES, 3/16 IN. HD, 0.124 IN. OD, 0.490 IN. L 10538541 (19200)	EA	1									B-51	3
C	PA OZ Z	1240-00-913-2762	ARM ASSEMBLY: 10538518 (19200)	EA	1									B-51	4
C	PA FZ Z	1240-00-401-4451	PIVOT ASSEMBLY: 11727976 (19200)	EA	1									B-51	5
C	PA FZ Z	5305-00-843-2841	SETSCREW: HDLS, SKT DR, CUP PT, CRES, PSVT FNSH, NO. 2-46UNC-3A, 0.125 IN. L MS51021-1 (96906)	EA	1									B-51	6
	XB F		RETAINER: CRES, 17/32-32NS-3A, 0.260 IN. L 10538581 (19200)		1									B-51	7
C	PA FZ Z	1240-00-930-6831	PACKING, PREFORMED: RBR CMPSN, 0.175 IN. ID, 0.070 IN. THK 8623877-1 (19200)	EA	1									B-51	6
	XB F		BEARING: 10539906 (19200)		2									B-51	9
	XB F		GEAR: CRES, 0.468 IN. OD, 0.830 IN. L 10538539 (19200)		1									B-51	10
C	PA FZ Z	5315-00-619-7464	PIN: HDLS, CRES, 0.0625 IN. OD, 0.125 IN. L MS9105-01 (96906)	EA	1									B-51	12
	XB F		TUBE: BRS, TYPE A, 1/8 IN. DIA, 3 13/16 IN. L 10538536 (19200)		1									B-51	13
	XB F		HOUSING: 10538586 (19200)		1									B-51	14

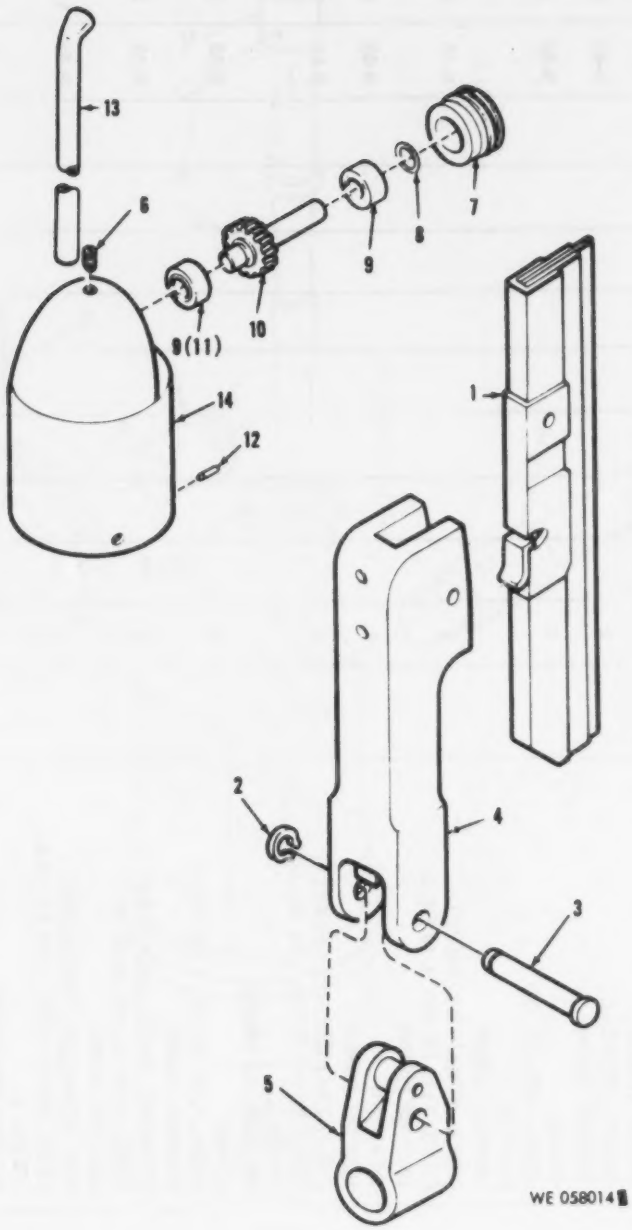


Figure B-51. Wiper blade assembly and support assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			SUPPORT ASSEMBLY EXPLODED VIEW												
	XB D		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 7/16 IN. L MS16555-605 (96906)	..	1									B-52	1
	XB F		BEARING: 8589768 (19200)	...	1									B-52	2
	XB F		SHAFT, SPECIAL: 10538538 (19200)	...	1									B-52	3
	XB F		GEAR: CRES, 0.875 IN. OD, 0.310 IN. L 10538556 (19200)	..	1									B-52	4
	XB F		GEAR, STRAIGHT, BEVEL: CRES, 0.419 IN. OD, 5/16 IN. L 10538559 (19200)	..	1									B-52	5
	XB F		BEARING: 10539907 (19200)	...	1									B-52	6
	XB D		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 3/8 IN. L MS16555-604 (96906)	..	1									B-52	7
	XB F		GEAR: CRES, 0.375 IN. OD, 0.480 IN. L 10538557 (19200)	..	1									B-52	8
	XB F		BEARING, BALL, ANNULAR: CRES, 0.422 IN. OD, 0.125 IN. L 10511474 (19200)	...	2									B-52	9
	XB D		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 1/2 IN. L MS16555-603 (96906)		1									B-52	10
	XB F		GEAR, STRAIGHT, BEVEL: CRES, 0.310 IN. OD, 9/32 IN. L 10538560 (19200)	...	1									B-52	11
	XB F		SHAFT, SPECIAL: CRES, 0.250 IN. OD, 1.470 IN. L 10538535 (19200)	..	1									B-52	12
	XB F		SUPPORT: 10538587 (19200)		1									B-52	14

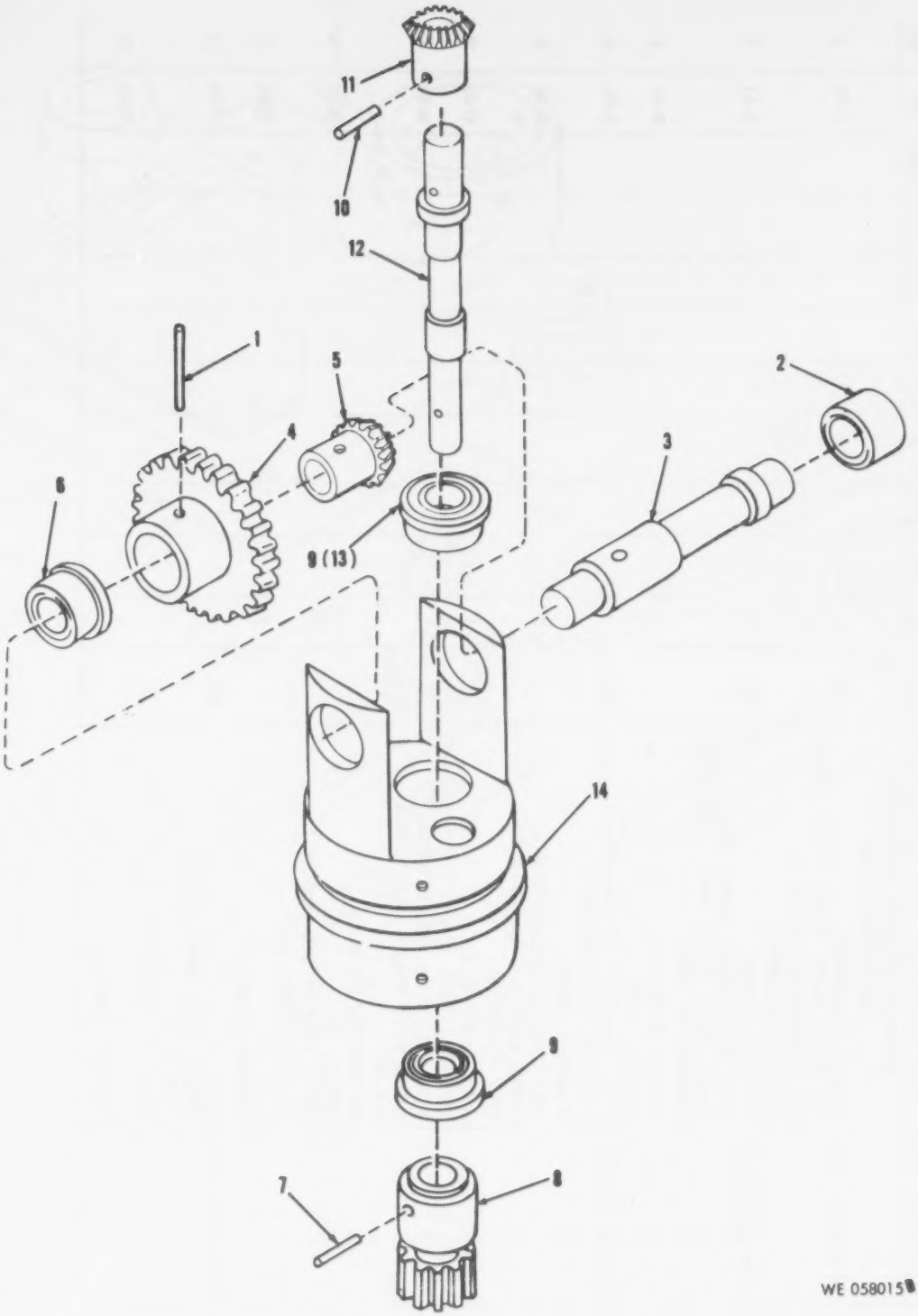


Figure B-52. Support assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			BOTTOM HOUSING ASSEMBLY EXPLODED VIEW												
C	PA FZ Z	5305-00-941-9437	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS35275-215 (96906)	EA	3									B-53	1
C	PA FZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	3									B-53	2
	XB F		PLATE, SPECIAL: 10538511 (19200)	..	1									B-53	3
C	PA FZ Z	5315-00-948-0633	PIN, STRAIGHT, HEADLESS: 0.1875 IN. DIA, 0.250 IN. L MS9390-8 (96906)	EA	2									B-53	4
	XB F		BEARING, BALL, ANNULAR: CRES, 0.422 IN. OD, 0.125 IN. L 10511474 (19200)	..	2									B-53	5
	XB F		ARM ASSEMBLY: 10538517 (19200)	..	1									B-53	6
	XB F		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/16 IN. DIA, 3/8 IN. L MS16555-604 (96906)	..	1									B-53	7
	XB F		GEAR: CRES, 0.687 IN. OD, 0.680 IN. L 10538558 (19200)	..	1									B-53	8
	XB F		ARM: 10538509 (19200)	..	1									B-53	9
C	PA FZ Z	5315-00-619-7464	PIN: HDLS, CRES, 0.0625 IN. OD, 0.125 IN. L MS9105-01 (96906)	EA	1									B-53	11
	XB F		HOUSING: 10538525 (19200)	..	1									B-53	12

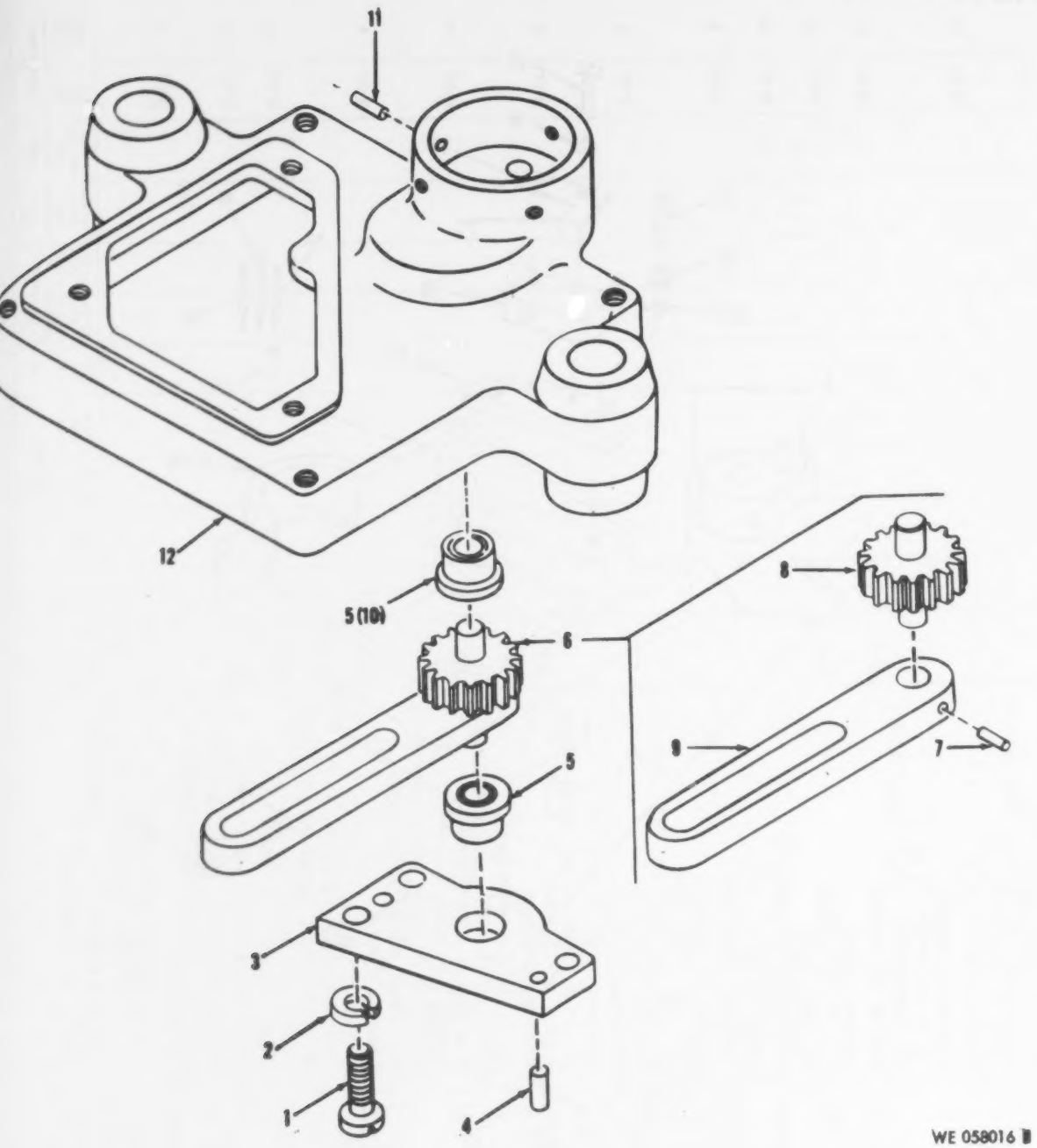


Figure B–53. Bottom housing assembly—exploded view.

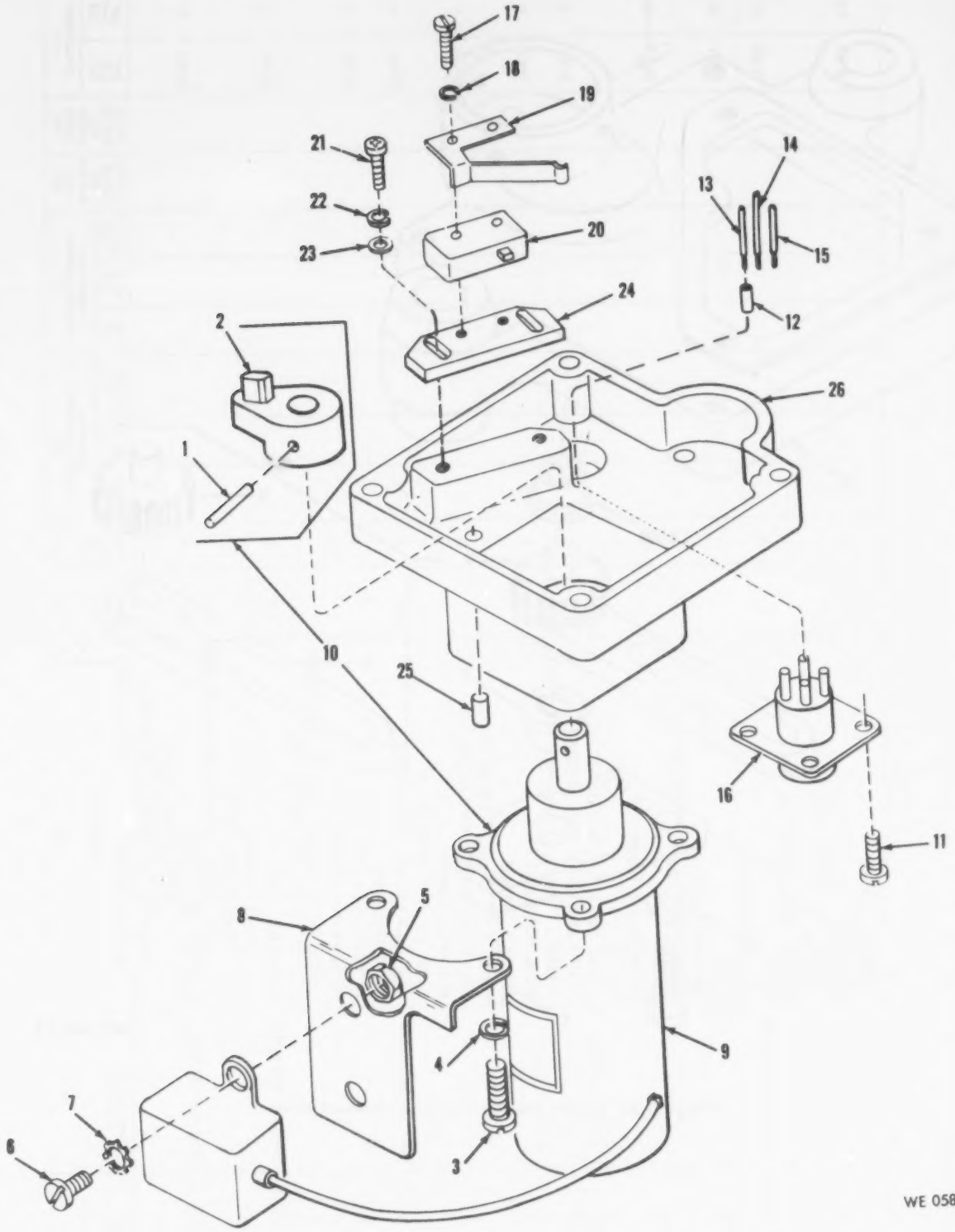


Figure B-54. Cover assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			COVER ASSEMBLY EXPLODED VIEW												
C	PA FZ Z	5315-00-187-9745	PIN, SPRING: TUBULAR, COILED, MDM DUTY MS51923-156 (96906)	EA	1									B-54	1
C	PA FZ Z		CRANK ASSEMBLY: 11740024 (19200)	EA	1									B-54	2
C	PA FZ Z	5305-00-925-4777	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/8 IN. L MS35275-231 (96906)	EA	4									B-54	3
C	PA FZ Z	5310-00-929-6395	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 6 SCR SIZE MS35338-136 (96906)	EA	4									B-54	4
C	PA FZ Z	5310-00-934-9761	NUT, PLAIN, HEXAGON: CRES, PASS. FIN., NO. 6-32UNC-2B, 7/64 IN. THK, 5/16 IN. WAF MS35649-264 (96906)	EA	2									B-54	5
C	PA FZ Z	5305-00-940-9489	SCREW, MACHINE: DR FILH, SLTD, CRES, PSVT FNSH, NO. 6-32UNC-2A, 5/16 IN. L MS35275-227 (96906)	EA	2									B-54	6
C	PA FZ Z	5310-00-209-1866	WASHER, LOCK: FL, EXT T, 0.320 IN. OD, 0.022 IN. THK, NO. 6 SCR SIZE MS35335-58 (96906)	EA	2									B-54	7
	XB F		BRACKET, SPECIAL: 10539627 (19200)		1									B-54	8
C	PA FZ Z	1240-00-886-1274	MOTOR TRANSMISSION: 10540089 (19200)	EA	1									B-64	9
C	PA FZ Z	1240-00-495-0460	MOTOR ASSEMBLY: 11740078 (19200)	EA	1									B-64	10
C	PA FZ Z	5305-00-054-5647	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 1/4 IN. L MS51957-13 (96906)	EA	4									B-54	11
	MD F		INSULATION TUBING: SHRINK, WHITE, .063 IN. EXPANDED ID, LG AR (SEE MIL-I-23053 IN BULK ITEMS LIST)		V									B-54	12

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip catgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			COVER ASSEMBLY EXPLODED VIEW—Continued												
	MD F		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR WHT, LG AR (SEE MIL-W-16878-1 IN BULK ITEMS LIST)	...	V									B-54	13
	MD F		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR BLK, LG AR (SEE MIL-W-16878-1 in BULK ITEMS LIST)	...	V									B-54	14
	MD F		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR RED, LG AR (See MIL-W-16878-1 IN BULK ITEMS LIST)	...	V									B-54	15
C	PA FZ Z	5935-00-846-2175	CONNECTOR, RECEPTACLE, ELECTRIC: MS3112E8-4P (96906)	EA	1									B-54	16
C	PA FZ Z	5305-00-054-5640	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 7/16 IN. L MS51957-6 (96906)	EA	2									B-54	17
C	PA FZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	2									B-54	18
C	PA FZ Z	1240-00-054-3221	ACTUATOR: 10539429 (19200)	EA	1									B-54	19
C	PA FZ Z	5930-00-583-6582	SWITCH, SENSITIVE: 10538582 (19200)	EA	1									B-54	20
C	PA FZ Z	5305-00-054-5639	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 2-56UNC-2A, 3/8 IN. L MS51957-5 (96906)	EA	2									B-54	21
C	PA FZ Z	5310-00-928-2690	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 2 SCR SIZE MS35338-134 (96906)	EA	2									B-54	22
C	PA FZ Z	5310-00-595-6761	WASHER, FLAT: MET, RND, CRES, PSVT FNSH, 0.250 IN. OD, 0.025 THK, NO. 4 SCR SIZE MS15795-802 (96906)	EA	2									B-54	23
C	PA FZ Z	1240-00-401-4449	ADAPTER: 10539430 (19200)	EA	1									B-54	24

N	PA	FZ	Z	1240-00-401-4460	FEED THRU: 10539908 (19200) COVER: 10538524 (19200)	EA	2							B-54	25
	XB	F				...	1							B-54	26

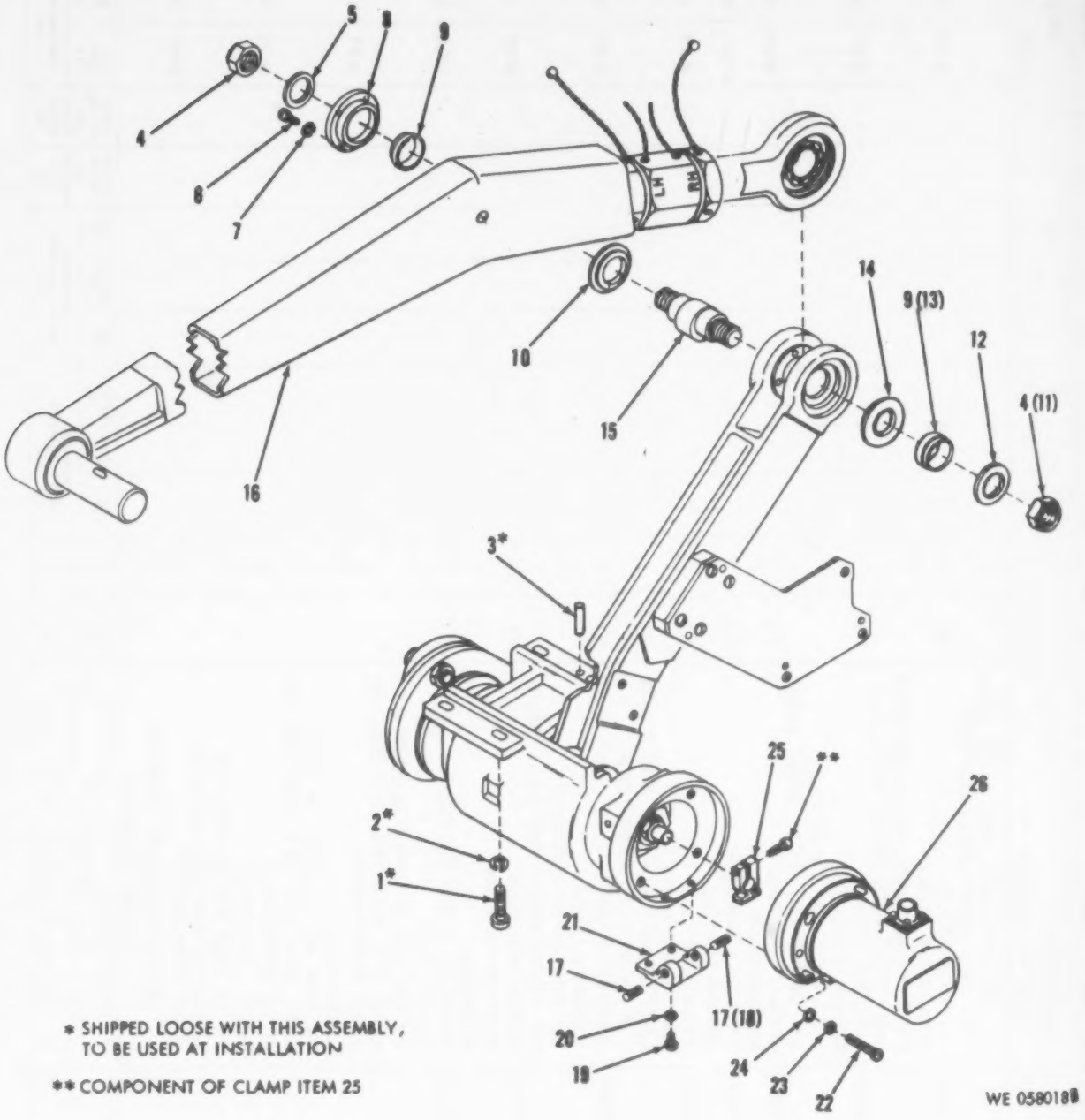


Figure B–55. Linkage data transmission—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE DATA TRANSMISSION PARTIAL EXPLODE												
C	PA FZ Z	5305-00-990-0668	SCREW, CAP, SOCKET HEAD: HEX, CRES, PSVT FNSH, 3/8-16UNC-3A, 1 IN. L MS16995-81 (96906)	EA	4									B-55	1
C	PA FZ Z	5310-00-984-7042	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 3/8 IN. SCR SIZE MS35338-141 (96906)	EA	4									B-55	2
C	PA FZ Z	5315-00-682-1733	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/4 IN. DIA, 3/4 IN. L MS16555-646 (96906)	EA	1									B-55	3
N	PA FZ Z	5310-00-902-9369	NUT, SELF-LOCKING: HEX, SCDP, 1/2-20UN JF-3B MS21083N8 (96906)	EA	2									B-55	4
C	PA FZ Z	5310-00-115-6177	WASHER, FLAT: CRES, 1 IN. OD, .109 IN. THK MS9321-14 (96906)	EA	1									B-55	5
C	PA FZ Z	5305-00-054-5649	SCREW, MACHINE: PH, CROSS-REC, CRES, PSVT FNSH, NO. 4-40UNC-2A, 3/8 IN. L MS51957-15 (96906)	EA	4									B-55	6
C	PA FZ Z	5310-00-933-8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338-135 (96906)	EA	4									B-55	7
C	PA FZ Z	1240-00-933-9267	INSERT: CRES, 0.812 IN. ID, 1.760 IN. OD, 0.343 IN. THK 10540364 (19200)	EA	1									B-55	8
	XB F		BUSHING ASSEMBLY: CRES, .8125 IN. ID, .625 IN. OD, .226 IN. THK 10539427-2 (19200)		2									B-55	9
	XB F		SPACER: CRES, 0.625 IN. ID, 1.250 IN. OD, 0.093 IN. THK 10540325 (19200)		1									B-55	10
C	PA FZ Z	5310-00-543-2862	WASHER, FLAT: MET, RND, CRES, 1.062 IN. OD, 0.095 IN. THK, NO. 1/2 SCR SIZE MS15795-818 (96906)	EA	1									B-55	12

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE DATA TRANSMISSION PARTIAL EXPLODE—Continued												
	XB F		SPACER: CRES, 0.625 IN. ID, 1.125 IN. OD, 0.167 IN. THK 10540332 (19200)	---	1									B-55	14
C	PA FZ Z	1240-00-933-9273	ECCENTRIC: 10540340 (19200)	EA	1									B-55	15
	XB F		LONG LINK ASSEMBLY: 10556605 (19200)	---	1									B-55	16
C	PA FZ Z	5305-00-715-1222	SETSCREW: HEX SOC, OVAL PT, ALY STL, CD PL, NO. 8-32UNC-3A, 1/2 IN. L MS51981-30 (96906)	EA	2									B-55	17
C	PA FZ Z	5305-00-054-6670	SCREW, MACHINE: PH, CROSS-REC, CRES PSVT FNSH, NO. 8-32UNC-2A, 1/2 IN. L MS51957-45 (96906)	EA	2									B-55	19
C	PA FZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	2									B-55	20
	XB F		BRACKET: 10539628 (19200)		1									B-55	21
C	PA FZ Z	5305-00-068-5407	SCREW, CAP, SOCKET HEAD: HEX, CRES, PSVT FNSH, NO. 10-32UNF-3A x 1.500 IN. L MS16996-16 (96906)	EA	4									B-55	22
C	PA FZ Z	5310-00-933-8120	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, PSVT FNSH NO. 10 SCR SIZE MS35338-138 (96906)	EA	4									B-55	23
C	PA FZ Z	5310-00-595-6772	WASHER, FLAT: MET, RND, CRES, 0.437 IN. OD, 0.065 IN. THK, NO. 10 SCR SIZE MS15795-808 (96906)	EA	4									B-55	24
	XB F		CLAMP: 10541796 (19200)		1									B-55	25
C	PA FZ Z	5990-00-933-9277	SYNCHRO, TRANSMITTER: 10539690 (19200)	EA	1									B-55	26

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE DATA TRANSMISSION PARTIAL EXPLODE												
	XB F		SETSCREW: HEX SOC, CP, SLFLKG, CRES, PSVT FNSH, NO. 6–23UNF–3A MS18068–6 (96906)		1									B-56	1
	XB F		NUT: CRES, HEX, NO. 6–32UNC–2B, 0.375 IN. THK 10541791 (19200)		1									B-56	2
	XB F		BEARING: CRES, 1.125 IN. ID, 2.125 IN. OD, 0.500 IN. THK 10539409–3 (19200)		2									B-56	3
	XB F		RING, RETAINING: INT, BSC, TPR SECTION TYPE, CRES, 2.125 NOM R SIZE MS16625–4212 (96906)		2									B-56	4
	XB F		SETSCREW: HEX SOC ,FP, CRES, PSVT FNSH, NO. 0–80UNF–3A, 1/4 IN. L MS51031–47 (96906)		2									B-56	5
	XB F		SEAT: PLASTIC NYLC.., 0.156 IN. OD, 0.078 IN. THK 10552832 (19200)		2									B-56	7
	XB F		NUT: CRES, HEX, NO. 1 1/2–20UN–2A, 0.750 IN. THK 10541790 (19200)		2									B-56	9
	XB F		BUSHING ASSEMBLY: CRES, 1.406 IN. OD 10552833 (19200)		2									B-56	10
	XB F		SPACER: CRES, 1.130 IN. ID, 1.405 IN. OD, 1.062 IN. THK 10541795 (19200)		1									B-56	11
	XB F		ARM ASSEMBLY: 10540321 (19200)		1									B-56	12
	XB FF		SHAFT ASSEMBLY: 10540366 (19200)		1									B-56	15

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE DATA TRANSMISSION PARTIAL EXPLODE—Continued												
	XB F		SETSCREW: HEX SOC, CP, SLFLKG, CRES, PSVT FNSH, NO. 10-32NF-3A MS18068-25 (96906)		1									B-56	16
	XB F		COUPLING: CRES, 1.986 IN. L 10541789 (19200)		1									B-56	17
	XA		HOUSING: 10541793 (19200)		1									B-56	20

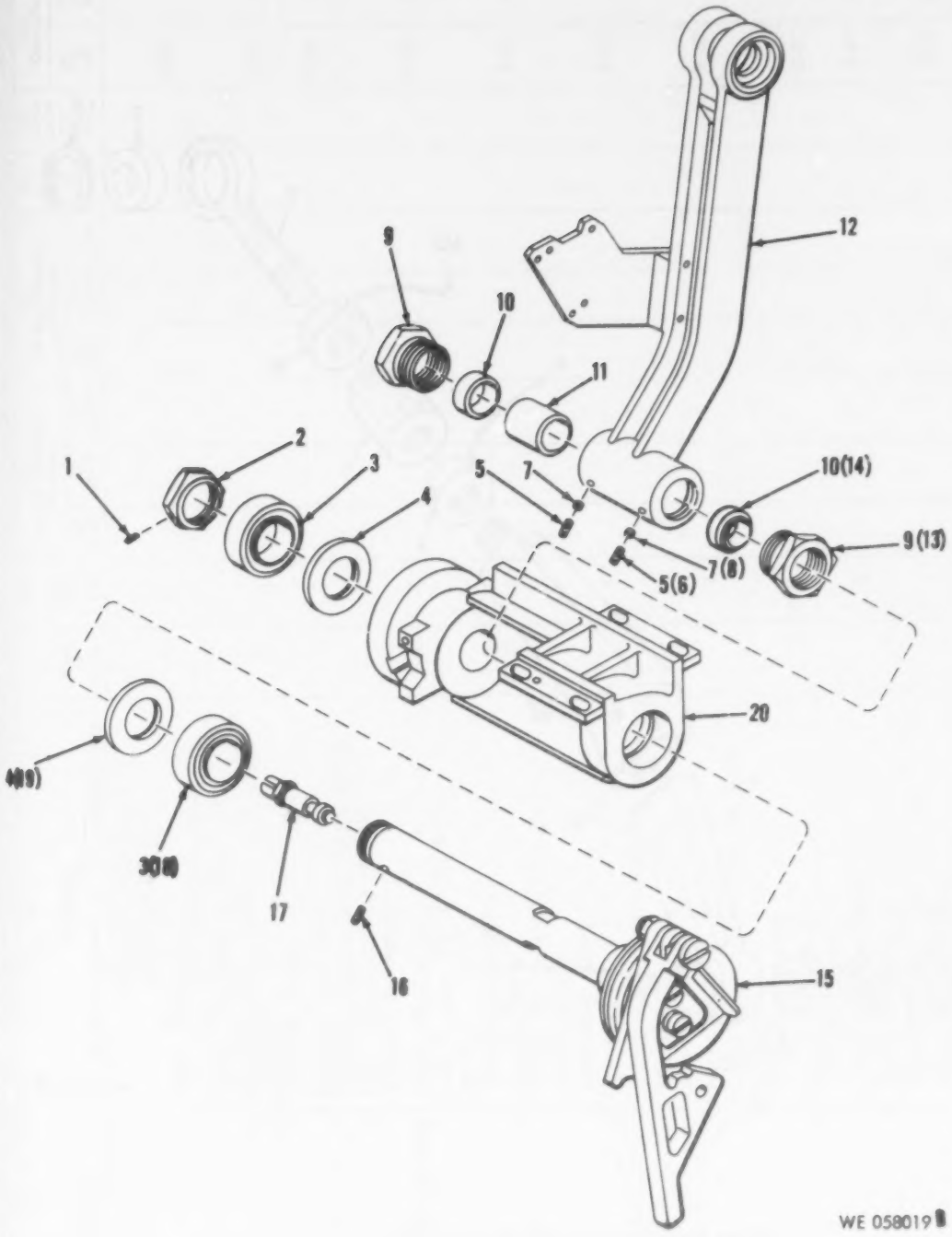


Figure B-56. Linkage data transmission—partial explode.

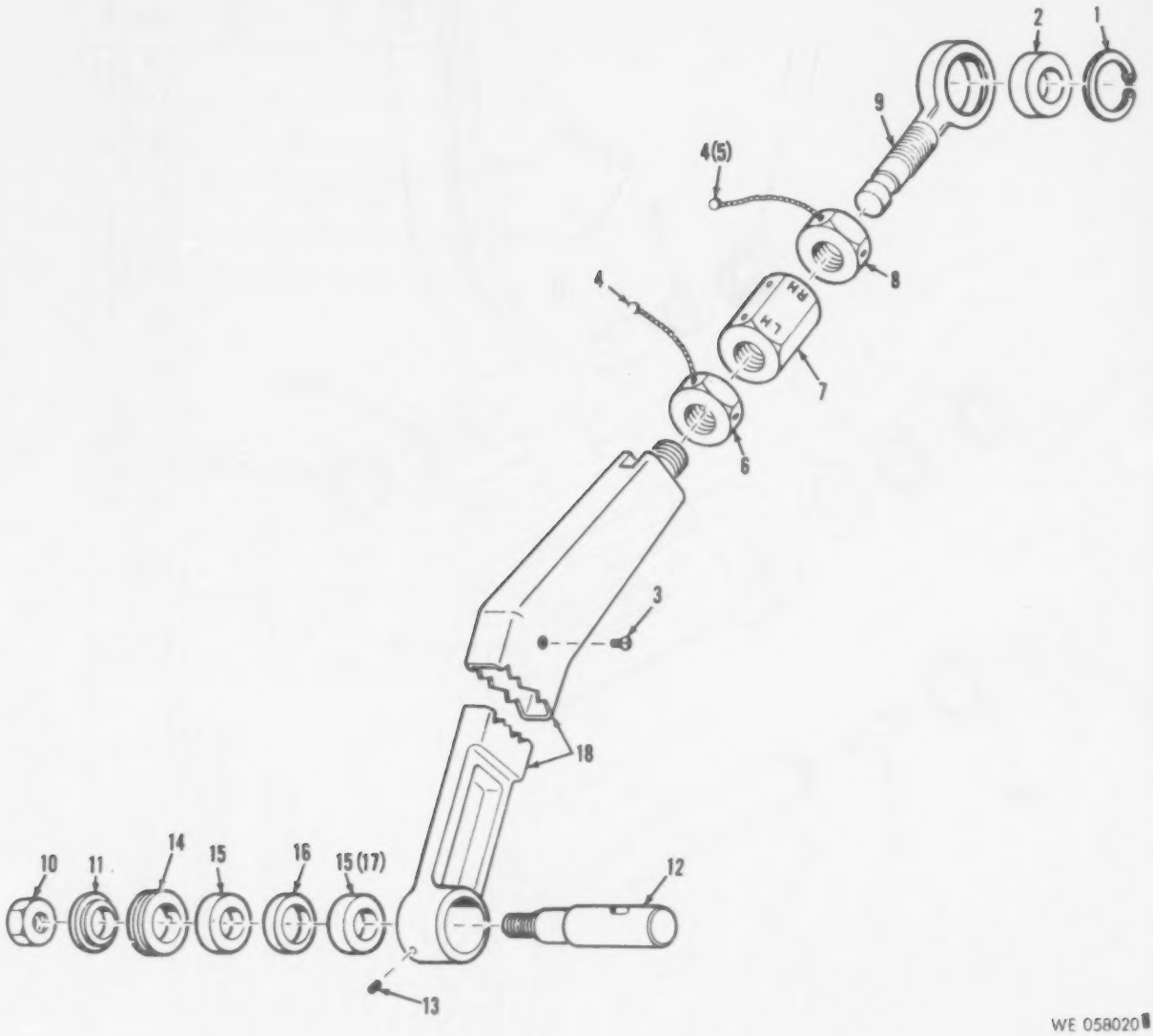


Figure B-57. Linkage assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 20-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE ASSEMBLY EXPLODED VIEW												
	XB F		RING, RETAINING: INT, BSC, TPR SECTION TYPE, CRES, 1.850 NOM R SIZE MS16624-4185 (96906)		1									B-57	1
	XB F		BEARING: 10539418 (19200)		1									B-57	2
	XB F		SCREW, MACHINE: PAN HD, CROSS-REC, CRES, PASS. FIN., 5/16-18UNC-2A, 3/8 IN. L MS51957-92 (96906)		1									B-57	3
N	PA FZ Z	5340-00-491-7632	SEAL, METALLIC: 0.50 IN. DIA, WITH STL WIRE, 24 IN. L MS51938-5 (96906)	EA	2									B-57	4
	XB F		NUT: CRES, NO. 1 1/4-18UNEF-2B-LH, 0.500 IN. THK 10556598-2 (19200)		1									B-57	6
	XB F		COUPLING: CRES, NO. 1 1/4-18UNEF-2B, 2.375 IN. L 10556602 (19200)		1									B-57	7
	XB F		NUT: CRES, NO. 1 1/4-18UNEF-2B, 0.500 IN. THK 10556598-1 (19200)		1									B-57	8
	XB F		CONNECTOR: 10556603 (19200)		1									B-57	9
	XB F		NUT, SELF-LOCKING STL, 1/2-20UNF-3B MS20364-820 (96906)		1									B-57	10
	XB F		WASHER, SPECIAL: CRES, 0.530 IN. ID, 1.00 IN. OD, 0.093 IN. THK 10540327 (19200)		1									B-57	11
	XB F		SHAFT: CRES, 0.875 IN. OD, 4.00 IN. L 10556606 (19200)		1									B-57	12

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			LINKAGE ASSEMBLY EXPLODED VIEW—Continued												
	XB F		SETSCREW: HDLS, SKT DR, CUP PT, CRES, PSVT FNSH, NO. 6-32UNC-3A, 3/16 IN. L MS51021-22 (96906)		1									B-57	13
	XB F		RING: CRES, 1 9/16-32UNS-2A, 1.250 IN. ID, 0.250 IN. THK 10540342 (19200)	..	1									B-57	14
	XB F		BEARING: 8260385 (19200)	..	2									B-57	15
	XB F		SPACER: CRES, 1.220 IN. ID, 1.375 IN. OD, 0.187 IN. THK 10540333 (19200)	...	1									B-57	16
	XB F		CHANNEL ASSEMBLY: 10556600 (19200)	...	1									B-57	18

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			SHAFT ASSEMBLY PARTIAL EXPLODE												
C	PA FZ Z	9505-00-555-8177	WIRE: 8585385 (19200)	EA	1									B-58	1
C	PA FZ Z	5305-00-582-8184	SCREW, SELF-LOCKING: PH, SLTD, NO. 10-32NF-3A, 0.562 IN. L 8605989 (19200)	EA	4									B-58	2
	AF FF L	.....	COUPLING ASSEMBLY: 8620124 (19200)	...	1									B-58	3
C	PA FZ Z	1290-00-612-1437	PLUNGER: CRES, 0.120 IN. ID, 0.310 IN. OD, 0.250 IN. L 8298369 (19200)	EA	4									B-58	4
C	PA FZ Z	1290-00-584-0166	SPRING, HELICAL COMPRESSION: WIRE STL, 0.187 IN. OD, 0.468 IN. L, 8 COIL 8298370 (19200)	EA	4									B-58	5
C	PA FZ Z	1290-00-612-1434	PLUNGER: CRES, 0.201 IN. ID, 0.264 IN. OD, 0.210 IN. L 8229115 (19200)	EA	2									B-58	8
C	PA FZ Z	1290-00-584-0168	SPRING, HELICAL COMPRESSION: COP PL, 0.029 IN. DIA STK, 0.187 IN. OD, 5/8 IN. L, 10 COIL 8229116 (19200)	EA	1									B-58	9
C	PA FZ Z	1240-00-629-1193	BOOT, DUST AND MOISTURE SEAL: RBR 8606009 (19200)	EA	1									B-58	11
C	PA FZ Z	1290-00-933-9627	SLIDER: 8298358 (19200)	EA	1									B-58	13
	XA ..	.....	SHAFT: 10541792 (19200)	..	1									B-58	15

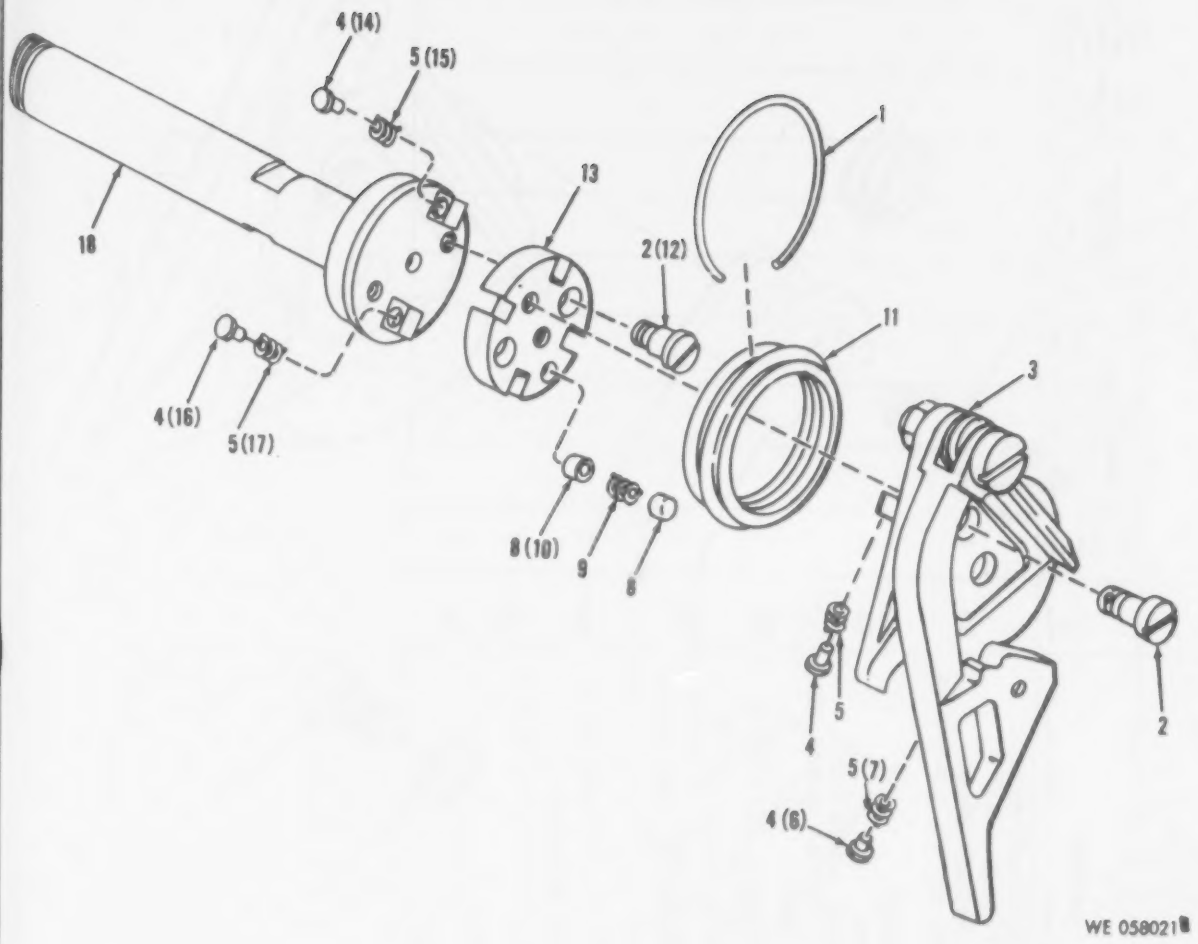
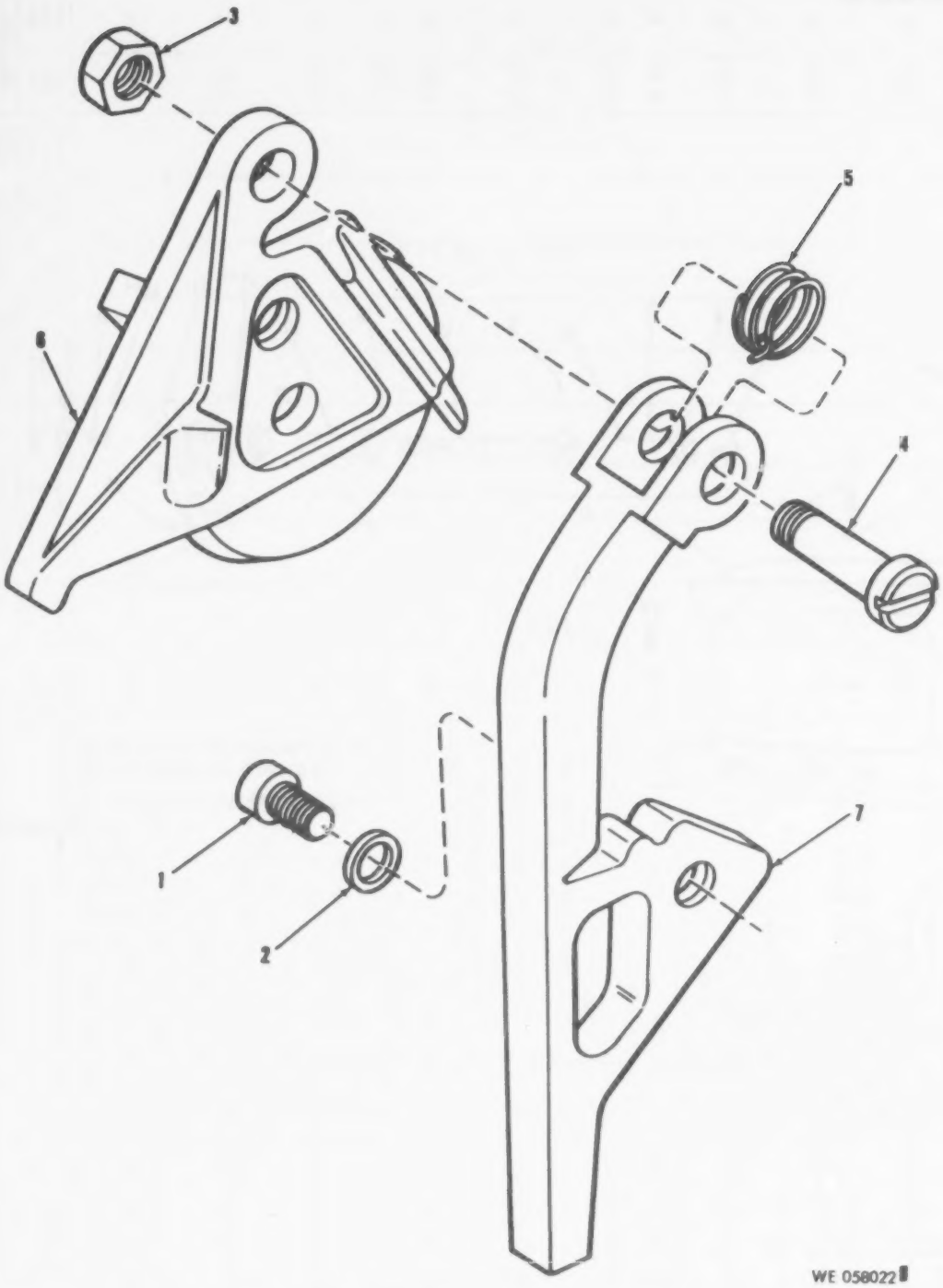


Figure B–58. Shaft assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description: Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 10-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			COUPLING ASSEMBLY EXPLODED VIEW												
C	PA FZ Z	5305-00-954-8424	SCREW, CAP, SOCKET HEAD: HEX, ALY STL, CP, NO. 8-36UNF-3A, 3/8 IN. L MS16998-18 (96906)	EA	1									B-59	1
C	PA FZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	1									B-59	2
C	PA FZ Z	5310-00-660-3381	NUT, SELF-LOCKING, HEXAGON: STL, .3125-24UNJF-3B MS21083N5 (96906)	EA	1									B-59	3
C	PA FZ Z	5305-00-753-4444	SCREW, SHOULDERED: CRES, FILH, SLTD, NO. 5/16-24UNF-3A, 1 1/16 IN. L 8620147 (19200)	EA	1									B-59	4
C	PA FZ Z	1285-00-753-3985	SPRING: COP PL, 0.410 IN. ID, 3 COIL 8620125 (19200)	EA	1									B-59	5
C	PA FZ Z	1240-00-933-9272	COUPLING: 8620152 (19200)	EA	1									B-59	6
C	PA FZ Z	1240-00-933-9271	LEVER: 8620151 (19200)	EA	1									B-59	7



B–59. Coupling assembly—exploded view.

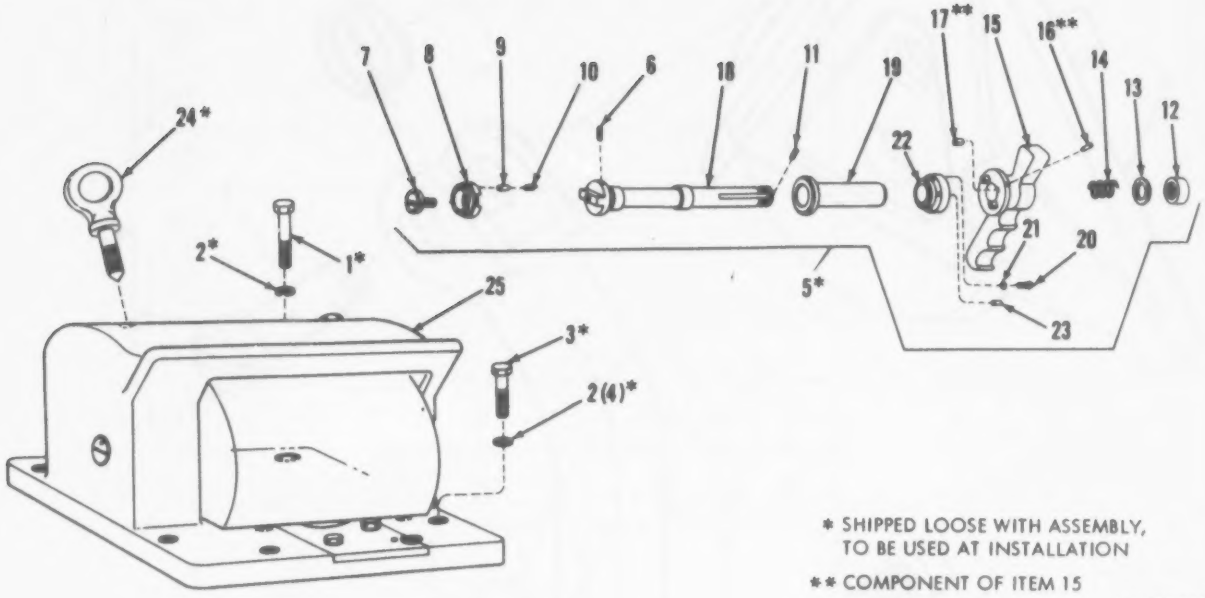


Figure B-60. Guard and shield assembly—partial explode.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			GUARD AND SHIELD ASSEMBLY PARTIAL EXPLODE												
C	PA OZ Z	5305-00-728-6384	SCREW, CAP, HEX HD: CRES, PSVT FNSH, NO. 1/2-20UNF-2A, 3 IN. L MS35308-419 (96906)	EA	4									B-60	1
C	PA OZ Z	5310-00-933-8778	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 1/2 IN. SCR SIZE MS35338-143 (96906)	EA	12									B-60	2
N	PA OZ Z	5305-00-701-7628	SCREW, CAP, HEX HD: NO. 1/2-13UNC-2A, 2 IN. L MS35307-415 (96906)	EA	8									B-60	3
	XB FF	.....	HANDLE ASSEMBLY: 10540296 (19200)	..	1									B-60	5
C	PA FZ Z	5305-00-728-1478	SETSCREW: HDLS, SOC DR, CUP PT, CRES, PSVT FNSH, NO. 6-40UNF-3A, 1/2 IN. L MS51023-32 (96906)	EA	1									B-60	6
C	PA FZ Z	5305-00-913-2790	SCREW, EXTERNALLY RELIEVED BODY: CRES, NO. 3/8-24UNF-2A, 0.812 IN. L 10540284 (19200)	EA	1									B-60	7
C	PA FZ Z	1240-00-913-2773	ADAPTER: 10540289 (19200)	EA	1									B-60	8
C	PA FZ Z	1240-00-913-2788	PLUNGER: CRES, 0.186 IN. OD, 0.220 IN. L 10540275 (19200)	EA	1									B-60	9
C	PA FZ Z	1240-00-913-2796	SPRING, HELICAL, COMPRESSION: 0.123 IN. OD, 10 COIL 8247743 (19200)	EA	1									B-60	10
C	PA FZ Z	5305-00-057-1638	SETSCREW: HEX, SOC, CONE PT, CRES, PSVT FNSH, NO. 0-80UNF-3A, 3/8 IN. L MS51038-40 (96906)	EA	1									B-60	11
C	PA FZ Z	5310-00-913-2779	NUT, PLAIN, ROUND: CRES, NO. 3/4-32NS-2B, 1.310 IN. OD 10540279 (19200)	EA	1									B-60	12
C	PA FZ Z	5310-00-913-2800	WASHER, FLAT: CRES, 0.812 IN. ID, 1.310 IN. OD, 0.030 IN. THK 10540281 (19200)	EA	1									B-60	13

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			GUARD AND SHIELD ASSEMBLY PARTIAL EXPLODE—Continued												
C	PA FZ Z	1240-00-913-2795	SPRING, HELICAL, COMPRESSION: 0.770 IN. ID, 4 COIL 10540271 (19200)	EA	1									B-60	14
C	PA FZ Z	1240-00-181-3787	HANDLE ASSEMBLY: 10540272 (19200)	EA	1									B-60	15
	XA		PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 5/8 IN. L MS16555-623 (96906)		1									B-60	16
	XA		KEY: CRES, 0.500 IN. O/A, 0.312 IN. W, 0.251 IN. THK 10540274 (19200)		1									B-60	17
	XB F		SHAFT: 10540292 (19200)		1									B-60	18
C	PB FZ Z		BEARING: CRES, 0.750 IN. ID, 3.687 IN. L 10540276 (19200)	EA	1									B-60	19
C	PA FZ Z	5305-00-988-7614	SCREW, CAP SOCKET HEAD: HEX HD, CRES, PSVT FNSH, 1/4-20UNC-3A, 3/4 IN. L MS16995-50 (96906)	EA	2									B-60	20
C	PA FZ Z	5310-00-988-8121	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 1/4 SCR SIZE MS35338-139 (96906)	EA	2									B-60	21

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(7) 30-Day GS maint allowance (a) 1–20	(b) 21–50	(c) 51–100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			GUARD ASSEMBLY EXPLODED VIEW												
C	PA FZ Z	5305–00–531–1773	SETSCREW: HDLS, SOC DR, CUP PT, CRES, PSVT FNSH, NO. 10–32UNF–3A, 1/2 IN. L MS51023–52 (96906)	EA	2									B-61	1
C	PA FZ Z	1240–00–404–0799	PIVOT: CRES, 0.999 IN. OD, 3.750 IN. L 10540278 (19200)	EA	1									B-61	2
	XB F		SHIELD: 10540295 (19200)		1									B-61	3
C	PA FZ Z	3120–00–402–4767	BUSHING: CRES, 0.750 IN. ID, 0.999 IN. OD, 0.500 IN. L 10540277 (19200)	EA	1									B-61	4
C	PA FZ Z	5305–00–068–5414	SCREW, CAP, SOCKET HEAD: HEX HD, CRES, PSVT FNSH, NO. 4–40UNC–3A, 1/2 IN. L MS16995–11 (96906)	EA	3									B-61	5
C	PA FZ Z	5310–00–933–8118	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 4 SCR SIZE MS35338–135 (96906)	EA	3									B-61	6
C	PA FZ Z	1240–00–436–4905	RING: CRES, 2.050 IN. ID, 2.750 IN. OD, 0.125 IN. THK 10540287 (19200)	EA	1									B-61	7
	XB F		ADAPTER: 10540291 (19200)		1									B-61	8
C	PA FZ Z	1240–00–404–0808	SLEEVE: CRES, 1.625 IN. ID, 1.874 IN. OD, 0.500 IN. THK 10540286 (19200)	EA	1									B-61	9
C	PA FZ Z	5305–00–236–1259	SCREW, CAP, HEXAGON HEAD: AL STL, NO. 1/2–13UNC–2A, 5/8 IN. L MS51107–110 (96906)	EA	2									B-61	10
C	PA FZ Z	5310–00–933–8778	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 1/2 IN. SCR SIZE MS35338–143 (96906)	EA	2									B-61	11

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			GUARD ASSEMBLY EXPLODED VIEW—Continued												
C	PA FZ Z	1240-00-404-0807	STOP: CRES, NO. 3/8-24UNF-2A, 1.187 IN. L 10540282 (19200)	EA	1									B-61	13
	XB FF...	.....	GUARD ASSEMBLY: 10540298 (19200)	...	1									B-61	14

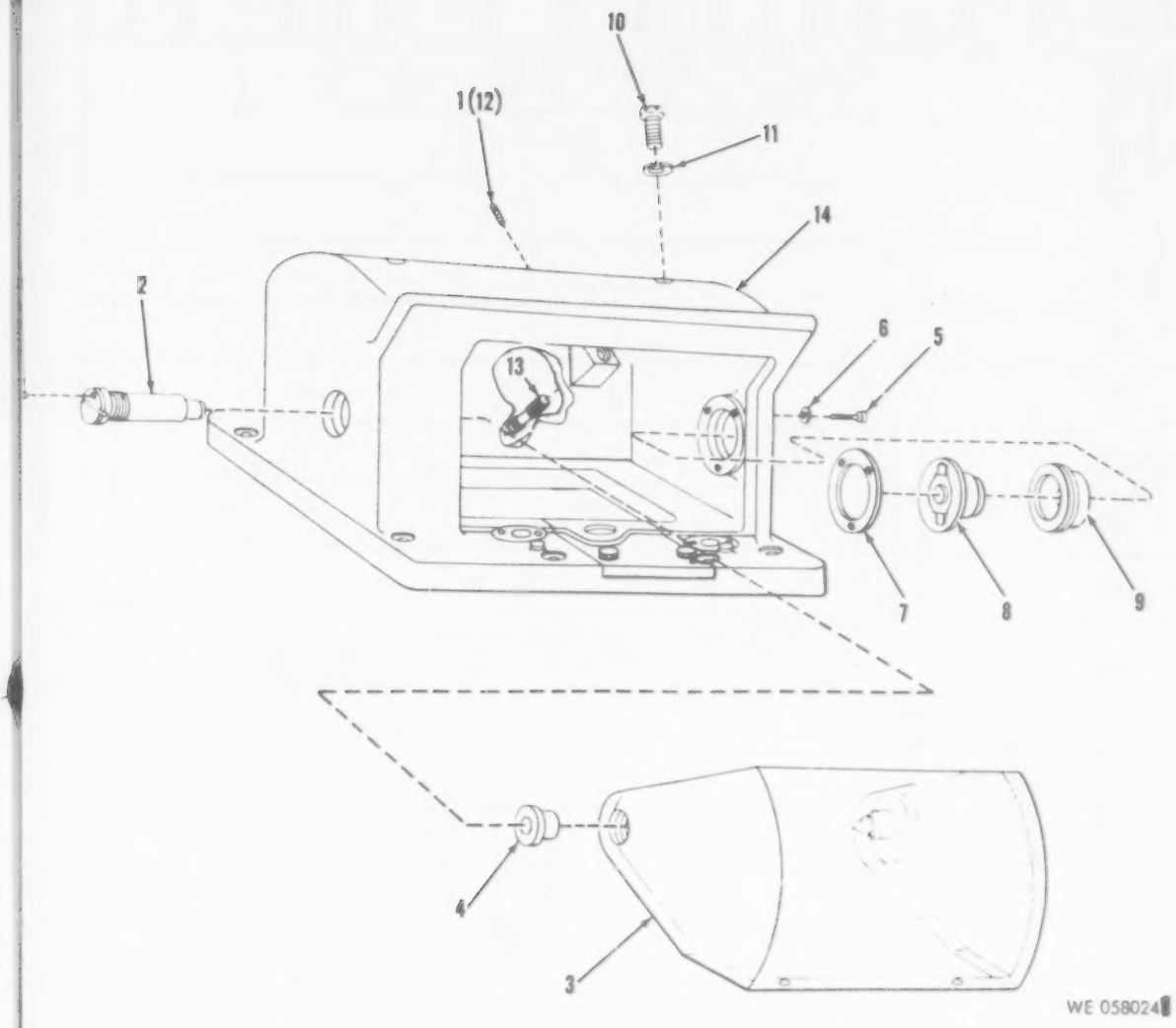


Figure B-61. Guard assembly—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			GUARD—EXPLODED VIEW											B-62	1
C	PA FZ Z	5305-00-988-7604	SCREW, CAP, SOCKET HEAD: HEX, CRES, NO. 8-32UNC-3A, 3/4 IN. L MS16995-28 (96906)	EA	4									B-62	2
C	PA FZ Z	5310-00-933-8119	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, NO. 8 SCR SIZE MS35338-137 (96906)	EA	4									B-62	3
	XB F		KEY: 10540290 (19200)	...	2									B-62	4
C	PA FZ Z	5315-00-826-1576	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/8 IN. DIA, 7/8 IN. L MS16555-630 (96906)	EA	4									B-62	5
	XB F		PAD: CRES, NO. 1 3/8-32NS-2A, 1.125 IN. L 10540288 (19200)	...	2									B-62	6
	XB F		STANDOFF: CRES, NO. 1-32NS-2A, 1.281 IN. L 10540283 (19200)	...	2									B-62	7
C	PA FZ Z	5305-00-702-4523	SCREW, CAP, HEX, HEAD: NO. 1/4-20UNC-2A, 3/4 IN. L MS35307-306 (96906)	EA	4									B-62	8
C	PA FZ Z	5310-00-933-8121	WASHER, LOCK: SPR, HLCL, RGLR (MDM) SER, CRES, PSVT FNSH, 1/4 SCR SIZE MS35338-139 (96906)	EA	4									B-62	9
	XB F		PLATE: 10552771 (19200)	...	1									B-62	10
	XB F		SEAL: 10540372 (19200)	...	1									B-62	11
C	PA FZ Z	5315-00-682-1733	PIN, STRAIGHT, HEADLESS: CRES, PSVT FNSH, 1/4 IN. DIA, 3/4 IN. L MS16555-646 (96906)	EA	2									B-62	12
J	PA DZ Z	9905-00-005-7719	PLATE, IDENTIFICATION: 10540273 (19200)	EA	1									B-62	13
	XB F		GUARD: 10540297 (19200)	..	1										

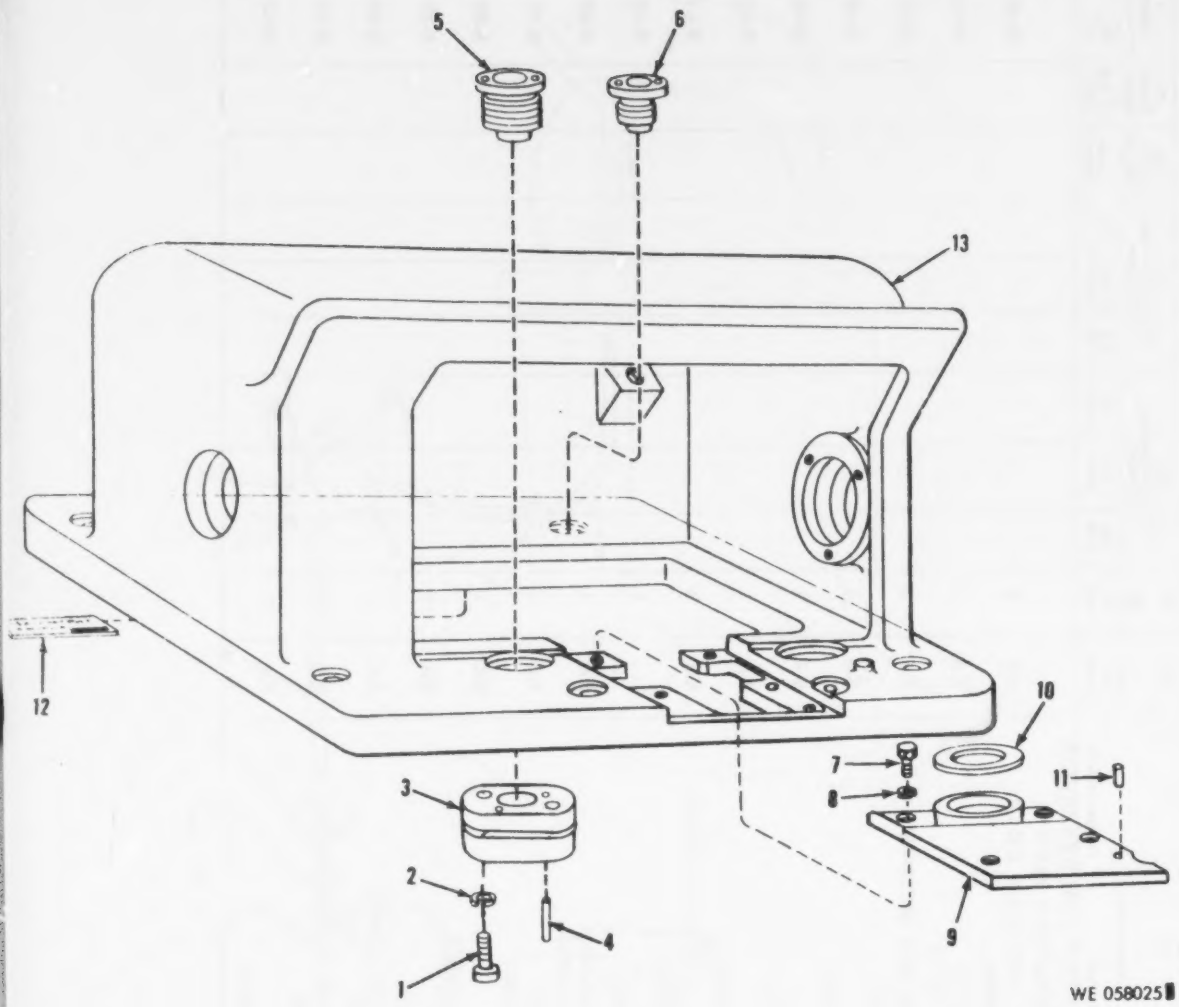


Figure B-62. Guard—exploded view.

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Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgey	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			WASHER PUMP AND RESERVOIR EXPLODED VIEW												
C	PA OZ Z	5305-00-068-0500	SCREW, CAP, HEXAGON HEAD: MS90725-3 (96906)	EA	2									B-63	1
C	PA OZ Z	5310-00-582-5965	WASHER, LOCK: MS35338-44 (96906)	EA	4									B-63	2
C	PA OZ Z	6650-00-908-0852	PUMP, PERISCOPE WINDOW: 10513398 (19200)	EA	1									B-63	3
C	PA FZ Z		TUBING: 11737552-2 (19200)	EA	1									B-63	4
C	PA OZ Z	1240-00-171-0755	ADAPTER: 10552813 (19200)	EA	1									B-63	5
C	PA FZ Z		TUBING: 11737552-1 (19200)	EA	1									B-63	6
C	PA OZ Z	5305-00-068-0501	SCREW, CAP, HEXAGON HEAD: MS90725-5 (96906)	EA	2									B-63	7
	XA		BRACKET: 11654264 (19200)	---	1									B-63	9
C	PA OZ Z	4010-00-129-3221	CHAIN, WELDLESS: 42C15120-205 (10001)	EA	1									B-63	10
C	PA OZ Z	4030-00-270-5436	HOOK, CHAIN: MS87006-3 (96906)	EA	2									B-63	11
C	PA OZ Z	5340-00-904-5271	PIN: MS17984C505 (96906)	EA	1									B-63	12
C	PA OZ Z	6650-00-907-9121	RESERVOIR: 8589745 (19200)	EA	1									B-63	13
C	PA OZ Z	6650-00-908-0853	STRAINER, PERISCOPE: 8589760 (19200)	EA	1									B-63	14
C	PA OZ Z	6650-00-908-0855	COVER, WATER STRAINER: 8589733 (19200)	EA	1									B-63	15
C	PA FZ Z		TUBING: 11737552-4 (19200)	EA	1									B-63	16

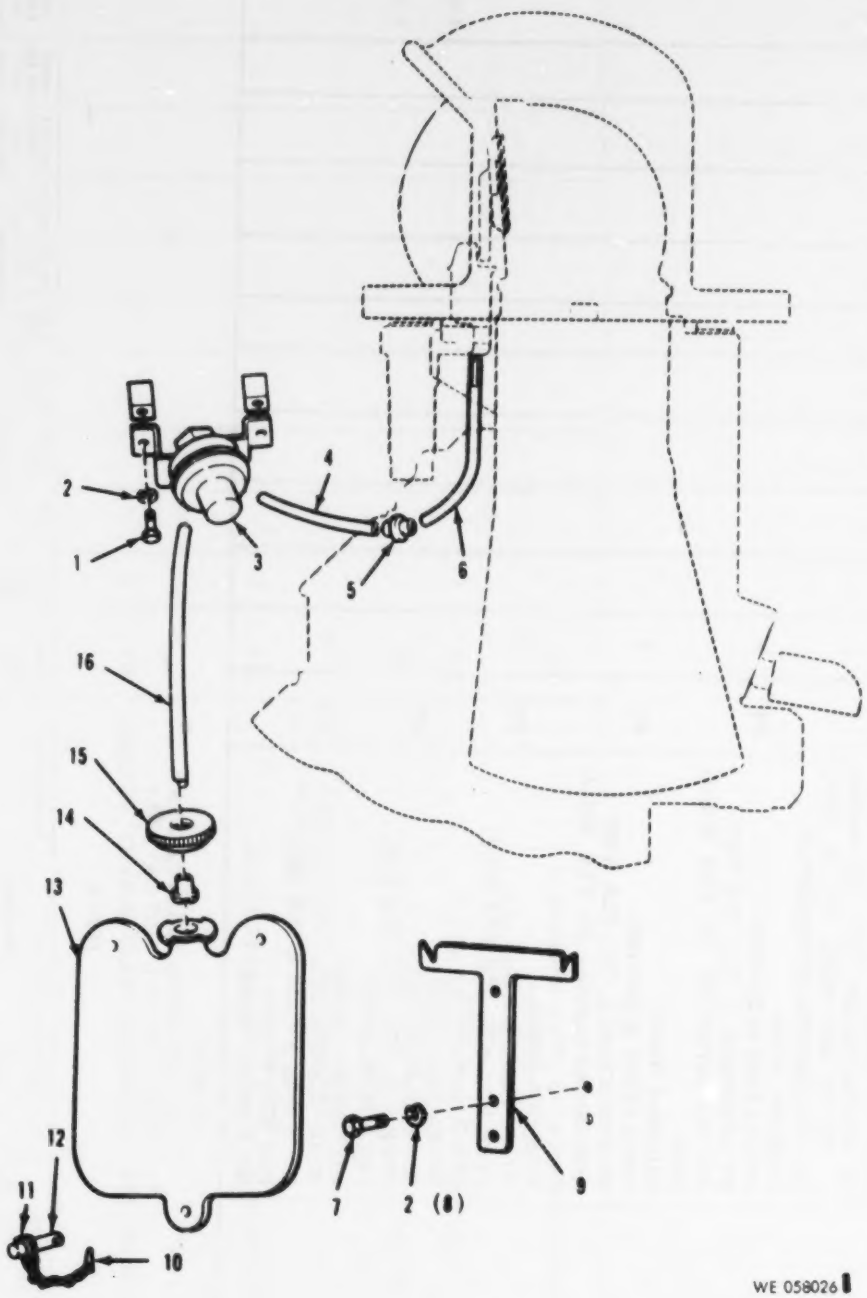

Figure B–63. Washer pump and reservoir—exploded view.

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code — Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			BULK ITEMS												
	PA DZ Z		STRIP, RUBBER: GR SB515A1B1C1F2, PER MIL-R-3065, 1/4 IN. W, .032 PORM, .010 IN. THK, CUT TO LENGTH AT ASSEMBLY MILR3065 (81349)	FT	V										
	PA DZ Z		INSULATION SLEEVING: HT SHRINKABLE, CL1, CLR WHT, .063 IN. EXPANDED ID, PER MIL-I-23053 MILI23053 (81349)	FT	V										
	PA FZ Z		INSULATION SLEEVING: HT SHRINKABLE, CL1, CLR WHT, 0.093 IN. EXPANDED ID, PER MIL-I-23053 MILI23053 (81349)	FT	V										
	PA DZ Z		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR WHT, PER MIL-W-16878/1 MILW16878-1 (81349)	FT	V										
	PA DZ Z		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR BLK, PER MIL-W-16878/1 MILW16878-1 (81349)	FT	V										
	PA DZ Z		WIRE, ELECTRICAL: TYPE B-22, NYL JKT, CLR RED PER MIL-W-16878-1 MILW16878-1 (81349)	FT	V										

Section III. SPECIAL TOOLS

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip cntgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			TOOLS												
C	PAOZZ	5120-00-293-1009	CROWFOOT ATTACHMENT, SOCKET: SIZE 1 7/8-1/2 IN. SQ, DR, DATA TRANSMISSION LINKAGE TURN BUCKLE. AC60 (58332)	EA	1										
C	PAOZZ	5120-00-196-0973	CROWFOOT ATTACHMENT, SOCKET: SIZE 1 7/16-1/2 IN. SQ, DR, DATA TRANSMISSION LINKAGE GRIP NUTS. 11654871 (19207)	EA	1										
C	PAFZZ	4931-00-065-0536	FORK, HOLDDOWN 8566245 (19200)	EA	1									4-7	
C	PAFZZ	4931-00-087-2051	GAGE, SPACER DATA TRANSMISSION: (LINKAGE LOCATION). 8625912 (19200)	EA	1									4-6	
N	PAOZZ	4931-00-764-8427	WIRE ROPE ASSEMBLY 10555822 (19200)	EA	1										

Actn chng code	(1) SMR code	(2) National stk number	(3) Description Ref No. & mfg code / Usable on code	(4) Unit of meas	(5) Qty inc in unit	(6) 30-Day DS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-Day GS maint allowance (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-Yr alw per 100 equip entgcy	(9) Depot maint alw per 100 equip	(10) Illustration (a) Fig. No.	(b) Item No.
			EQUIPMENT												
C	PAOOF	1240-00-950-7205	WIPER ASSEMBLY 10538530 (19200)	EA	1									4-1	
C	PAFZZ	1220-00-950-2515	LINKAGE, DATA TRANSMISSION 10540370 (19200)	EA	1									4-2	
	XBF	.....	GUARD AND SHIELD ASSEMBLY 10540300 (19200)		1									4-3	
			WASHER, PUMP AND RESERVOIR ASSEMBLY											B-63	

Section IV. NATIONAL STOCK NUMBER AND REFERENCE NUMBER INDEX

National Stock Number Cross-Reference to Figure and Item Number

National stock number	Figure No.	Item No.
1220-00-087-2729	B-30	22
1240-00-003-1076	B-4	26
1240-00-003-8405	B-51	1
1240-00-003-8408	B-4	16
1240-00-004-4335	B-1	11
1240-00-004-4336	B-47	4
1240-00-052-3963	B-42	2
1240-00-054-3221	B-54	19
1240-00-118-1939	B-40	17
1240-00-118-1940	B-34	6
1240-00-118-5592	B-31	3
1240-00-118-5598	B-9	14
1240-00-118-5599	B-19	22
1240-00-118-5600	B-34	13
1240-00-118-5601	B-34	12
1240-00-119-3963	B-36	3
1240-00-119-3964	B-34	9
1240-00-119-3965	B-16	12
1240-00-121-0783	B-30	8
1240-00-121-0784	B-30	21
1240-00-121-0785	B-26	7
1240-00-121-0786	B-26	4
1240-00-121-0788	B-22	2
1240-00-121-0789	B-9	10
1240-00-121-0790	B-30	10
1240-00-121-0800	B-27	3
1240-00-121-0801	B-29	2
1240-00-121-0804	B-28	3
1240-00-121-6289	B-45	5
1240-00-121-6290	B-29	5
1240-00-121-6292	B-44	2
1240-00-127-4812	B-44	1
1240-00-134-8978	B-44	3
1240-00-134-8979	B-1	21
1240-00-134-8980	B-10	9
1240-00-138-8438	B-2	2
1240-00-155-3653	B-7	1
1240-00-155-3653	B-9	5
1240-00-155-3653	B-29	7
1240-00-155-4937	B-37	7
1240-00-171-0755	B-63	5
1240-00-172-3573	B-44	4
1240-00-181-3787	B-60	15
1240-00-239-5876	B-38	4
1240-00-248-4797	B-40	15
1240-00-400-2558	B-3	16
1240-00-400-2560	B-7	5
1240-00-401-4449	B-54	24
1240-00-401-4450	B-54	25
1240-00-401-4451	B-51	5
1240-00-404-0799	B-61	2
1240-00-404-0807	B-61	13
1240-00-404-0808	B-61	9
1240-00-436-4905	B-61	7
1240-00-443-1021	B-30	7
1240-00-443-1022	B-30	9
1240-00-450-5722	B-30	14
1240-00-454-8658	B-49	14
1240-00-455-1487	B-4	15
1240-00-455-1487	B-11	13
1240-00-455-1487	B-42	11
1240-00-472-4444	B-2	7
1240-00-495-0459	B-9	6
1240-00-495-0459	B-29	8
1240-00-495-0460	B-54	10
1240-00-495-0462	B-1	14
1240-00-629-1193	B-58	11
1240-00-886-1274	B-54	9
1240-00-903-3976	B-5	4
1240-00-913-2749	B-42	13
1240-00-913-2762	B-51	4
1240-00-913-2773	B-60	8
1240-00-913-2788	B-60	9
1240-00-913-2795	B-60	14
1240-00-913-2796	B-60	10
1240-00-913-2855	B-33	5
1240-00-930-6736	B-1	5
1240-00-930-6737	B-6	5
1240-00-930-6738	B-24	8
1240-00-930-6738	B-36	6
1240-00-930-6742	B-49	20
1240-00-930-6744	B-44	18
1240-00-930-6748	B-5	8
1240-00-930-6749	B-37	3
1240-00-930-6750	B-39	3
1240-00-930-6752	B-44	17
1240-00-930-6755	B-38	17
1240-00-930-6756	B-38	19
1240-00-930-6757	B-38	21
1240-00-930-6758	B-38	14
1240-00-930-6759	B-2	11
1240-00-930-6760	B-5	9
1240-00-930-6761	B-14	18
1240-00-930-6762	B-36	7
1240-00-930-6763	B-7	6
1240-00-930-6764	B-25	8
1240-00-930-6769	B-36	8
1240-00-930-6770	B-4	7
1240-00-930-6771	B-6	12
1240-00-930-6772	B-39	6
1240-00-930-6773	B-11	8
1240-00-930-6774	B-38	13
1240-00-930-6775	B-38	16
1240-00-930-6776	B-38	6
1240-00-930-6777	B-8	3
1240-00-930-6780	B-38	2
1240-00-930-6784	B-38	20
1240-00-930-6785	B-38	18
1240-00-930-6786	B-6	13
1240-00-930-6789	B-46	6
1240-00-930-6791	B-40	24
1240-00-930-6793	B-28	10
1240-00-930-6794	B-4	8
1240-00-930-6795	B-11	9
1240-00-930-6831	B-51	8
1240-00-930-6832	B-51	3
1240-00-933-9267	B-55	8
1240-00-933-9271	B-59	7

National Stock Number Cross-Reference to Figure and Item Number—Continued

National stock number	Figure No.	Item No.
1240-00-933-9272	B-59	6
1240-00-933-9273	B-55	15
1240-00-937-3878	B-7	3
1240-00-952-7407	B-6	7
1285-00-753-3985	B-59	5
1290-00-584-0166	B-58	5
1290-00-584-0168	B-58	9
1290-00-612-1434	B-58	8
1290-00-612-1437	B-58	4
1290-00-933-9627	B-58	13
2640-00-060-3543	B-4	12
2640-00-060-3543	B-11	11
2640-00-060-3543	B-42	9
2640-00-114-1096	B-4	13
2640-00-114-1096	B-11	12
2640-00-114-1096	B-42	10
2640-00-507-9260	B-4	11
2640-00-507-9260	B-11	10
2640-00-507-9260	B-42	8
3110-00-142-6030	B-15	5
3110-00-142-6030	B-20	17
3110-00-227-2531	B-6	8
3110-00-897-2945	B-7	9
3110-00-926-4608	B-15	2
3110-00-926-4608	B-20	15
3110-00-978-2867	B-15	4
3110-00-978-2867	B-20	18
3120-00-402-4767	B-61	4
4010-00-003-8409	B-28	6
4010-00-129-3221	B-63	10
4030-00-270-5436	B-63	11
4730-00-003-1077	B-4	14
5240-00-721-8187	B-5	7
5305-00-043-0272	B-30	1
5305-00-050-9227	B-1	18
5305-00-050-9229	B-1	16
5305-00-050-9229	B-3	1
5305-00-051-4485	B-9	8
5305-00-051-4485	B-22	1
5305-00-054-5637	B-43	6
5305-00-054-5637	B-48	6
5305-00-054-5638	B-49	5
5305-00-054-5639	B-54	21
5305-00-054-5640	B-54	17
5305-00-054-5646	B-33	7
5305-00-054-5646	B-44	14
5305-00-054-5647	B-2	5
5305-00-054-5647	B-3	5
5305-00-054-5647	B-4	24
5305-00-054-5647	B-54	11
5305-00-054-5649	B-55	6
5305-00-054-5652	B-43	12
5305-00-054-6670	B-55	19
5305-00-057-0498	B-26	5
5305-00-057-1638	B-60	11
5305-00-059-3090	B-32	2
5305-00-068-0500	B-63	1
5305-00-068-0501	B-63	7
5305-00-068-5407	B-55	22
5305-00-068-5411	B-13	1
5305-00-068-5411	B-19	1
5305-00-068-5414	B-61	5
5305-00-081-2651	B-38	5
5305-00-132-1465	B-1	3
5305-00-143-2339	B-2	14
5305-00-236-1259	B-61	10
5305-00-272-4123	B-4	9
5305-00-272-4123	B-30	20
5305-00-465-9331	B-29	1
5305-00-465-9333	B-25	7
5305-00-465-9334	B-30	12
5305-00-465-9335	B-39	2
5305-00-527-5737	B-38	3
5305-00-531-1773	B-61	1
5305-00-551-0156	B-34	5
5305-00-582-8184	B-58	2
5305-00-584-4849	B-5	3
5305-00-584-4852	B-5	2
5305-00-655-9246	B-34	11
5305-00-685-1716	B-20	19
5305-00-701-7628	B-60	3
5305-00-702-4523	B-62	7
5305-00-715-1222	B-55	17
5305-00-717-6950	B-11	5
5305-00-719-5064	B-4	18
5305-00-723-9402	B-39	8
5305-00-724-3421	B-39	1
5305-00-724-5872	B-9	9
5305-00-725-0113	B-38	1
5305-00-727-8832	B-32	4
5305-00-727-8833	B-10	2
5305-00-727-8833	B-43	25
5305-00-727-8833	B-50	9
5305-00-728-1478	B-60	6
5305-00-728-6384	B-60	1
5305-00-753-4444	B-59	4
5305-00-763-3356	B-43	21
5305-00-763-6963	B-4	19
5305-00-763-6963	B-25	9
5305-00-763-7822	B-28	1
5305-00-763-7822	B-42	1
5305-00-763-7822	B-43	8
5305-00-764-2964	B-43	30
5305-00-764-2966	B-50	19
5304-00-765-4348	B-4	17
5305-00-770-2533	B-4	6
5305-00-770-2533	B-7	2
5305-00-770-2533	B-28	5
5305-00-770-2579	B-16	5
5305-00-777-6039	B-6	1
5305-00-800-7261	B-16	11
5305-00-843-2841	B-30	11
5305-00-843-2841	B-51	6
5305-00-912-4837	B-4	21
5305-00-912-4837	B-29	3
5305-00-912-8120	B-5	5
5305-00-912-8120	B-6	3
5305-00-913-2790	B-60	7
5305-00-922-6286	B-27	4
5305-00-922-6286	B-31	1
5305-00-922-6286	B-35	1
5305-00-922-6286	B-39	4
5305-00-922-6286	B-41	6
5305-00-922-8777	B-43	32

National Stock Number Cross-Reference to Figure and Item Number—Continued

National stock number	Figure No.	Item No.
5305-00-922-8778	B-28	7
5305-00-924-8380	B-14	16
5305-00-924-8380	B-19	20
5305-00-924-8380	B-21	1
5305-00-924-8380	B-27	1
5305-00-924-8380	B-36	1
5305-00-924-8380	B-45	3
5305-00-924-8380	B-49	1
5305-00-925-4774	B-15	7
5305-00-925-4774	B-19	17
5305-00-925-4774	B-40	3
5305-00-925-4774	B-48	1
5305-00-925-4774	B-49	18
5305-00-925-4777	B-1	8
5305-00-925-4777	B-54	3
5305-00-930-6781	B-2	3
5305-00-930-6782	B-46	4
5305-00-939-9147	B-8	1
5305-00-939-9187	B-23	1
5305-00-939-9188	B-1	1
5305-00-939-9188	B-23	3
5305-00-939-9188	B-33	1
5305-00-939-9189	B-1	12
5305-00-939-9189	B-9	1
5305-00-939-9208	B-25	4
5305-00-939-9230	B-24	1
5305-00-939-9230	B-45	7
5305-00-939-9232	B-7	11
5305-00-939-9232	B-30	3
5305-00-940-9489	B-19	10
5305-00-940-9489	B-37	5
5305-00-940-9489	B-42	4
5305-00-940-9489	B-47	7
5305-00-940-9489	B-54	6
5305-00-940-9491	B-16	13
5305-00-940-9491	B-34	1
5305-00-940-9491	B-36	9
5305-00-940-9491	B-45	1
5305-00-940-9491	B-47	2
5305-00-941-3551	B-4	1
5305-00-941-3551	B-21	5
5305-00-941-3551	B-22	3
5305-00-941-3551	B-43	2
5305-00-941-3551	B-44	8
5305-00-941-9437	B-9	12
5305-00-941-9437	B-10	5
5305-00-941-9437	B-14	1
5305-00-941-9437	B-16	1
5305-00-941-9437	B-24	9
5305-00-941-9437	B-26	1
5305-00-941-9437	B-40	12
5305-00-941-9437	B-53	1
5305-00-942-2167	B-50	14
5305-00-942-8431	B-11	1
5305-00-942-8431	B-37	1
5305-00-945-0502	B-40	21
5305-00-945-0505	B-14	4
5305-00-945-0505	B-19	13
5305-00-945-0505	B-44	5
5305-00-945-0506	B-14	10
5305-00-948-4042	B-30	15
5305-00-954-8424	B-59	1
5305-00-957-6643	B-40	6
5305-00-959-0379	B-12	3
5305-00-959-0379	B-18	3
5305-00-959-0382	B-20	10
5305-00-959-1082	B-34	7
5305-00-983-7429	B-7	4
5305-00-984-7845	B-2	1
5305-00-988-7604	B-62	1
5305-00-988-7608	B-17	1
5305-00-988-7614	B-60	20
5305-00-990-0668	B-55	1
5306-00-403-6446	B-50	1
5310-00-058-3599	B-26	2
5310-00-115-6177	B-55	5
5310-00-143-5954	B-13	4
5310-00-143-5954	B-15	6
5310-00-143-5954	B-19	4
5310-00-193-7446	B-3	14
5310-00-209-1289	B-2	13
5310-00-209-1366	B-54	7
5310-00-235-5001	B-9	7
5310-00-235-5001	B-29	9
5310-00-543-2862	B-55	12
5310-00-543-5933	B-1	17
5310-00-550-3715	B-20	20
5310-00-582-5965	B-63	2
5310-00-595-6211	B-40	16
5310-00-595-6211	B-44	7
5310-00-595-6761	B-54	23
5310-00-595-6772	B-55	24
5310-00-660-3381	B-59	3
5310-00-880-5978	B-7	13
5310-00-902-9369	B-55	4
5310-00-913-2779	B-60	12
5310-00-913-2800	B-60	13
5310-00-928-2690	B-13	2
5310-00-928-2690	B-19	2
5310-00-928-2690	B-28	8
5310-00-928-2690	B-30	16
5310-00-928-2690	B-40	23
5310-00-928-2690	B-43	20
5310-00-928-2690	B-48	7
5310-00-928-2690	B-49	6
5310-00-928-2690	B-54	18
5310-00-928-2690	B-54	22
5310-00-929-6395	B-1	9
5310-00-929-6395	B-14	17
5310-00-929-6395	B-16	14
5310-00-929-6395	B-19	11
5310-00-929-6395	B-20	11
5310-00-929-6395	B-21	2
5310-00-929-6395	B-27	2
5310-00-929-6395	B-31	2
5310-00-929-6395	B-34	2
5310-00-929-6395	B-35	2
5310-00-929-6395	B-36	2
5310-00-929-6395	B-37	6
5310-00-929-6395	B-39	5
5310-00-929-6395	B-41	7
5310-00-929-6395	B-42	5
5310-00-929-6395	B-45	2
5310-00-929-6395	B-47	3

National Stock Number Cross-Reference to Figure and Item Number—Continued

National stock number	Figure No.	Item No.
5310-00-929-6395	B-49	2
5310-00-929-6395	B-50	15
5310-00-929-6395	B-54	4
5310-00-930-6766	B-2	9
5310-00-930-6792	B-46	2
5310-00-933-8118	B-4	25
5310-00-933-8118	B-9	13
5310-00-933-8118	B-10	6
5310-00-933-8118	B-12	4
5310-00-933-8118	B-14	2
5310-00-933-8118	B-15	8
5310-00-933-8118	B-16	2
5310-00-933-8118	B-18	4
5310-00-933-8118	B-19	14
5310-00-933-8118	B-21	6
5310-00-933-8118	B-22	4
5310-00-933-8118	B-24	10
5310-00-933-8118	B-40	4
5310-00-933-8118	B-43	3
5310-00-933-8118	B-44	6
5310-00-933-8118	B-48	2
5310-00-933-8118	B-49	19
5310-00-933-8118	B-53	2
5310-00-933-8118	B-55	7
5310-00-933-8118	B-61	6
5310-00-933-8119	B-7	12
5310-00-933-8119	B-11	2
5310-00-933-8119	B-24	2
5310-00-933-8119	B-25	5
5310-00-933-8119	B-30	4
5310-00-933-8119	B-37	2
5310-00-933-8119	B-45	8
5310-00-933-8119	B-55	20
5310-00-933-8119	B-59	2
5310-00-933-8119	B-62	2
5310-00-933-8120	B-1	2
5310-00-933-8120	B-3	2
5310-00-933-8120	B-4	22
5310-00-933-8120	B-9	2
5310-00-933-8120	B-17	2
5310-00-933-8120	B-23	2
5310-00-933-8120	B-29	4
5310-00-933-8120	B-33	2
5310-00-933-8120	B-55	23
5310-00-933-8121	B-8	2
5310-00-933-8121	B-60	21
5310-00-933-8121	B-62	8
5310-00-933-8778	B-60	2
5310-00-933-8778	B-61	11
5310-00-934-9748	B-14	14
5310-00-934-9748	B-40	22
5310-00-934-9748	B-43	10
5310-00-934-9761	B-54	5
5310-00-938-2013	B-43	19
5310-00-938-2013	B-49	4
5310-00-938-8118	B-2	6
5310-00-939-1063	B-43	13
5310-00-947-6623	B-50	2
5310-00-984-7042	B-55	2
5315-00-047-2201	B-36	5
5315-00-064-2470	B-29	6
5315-00-088-6737	B-40	1
5315-00-143-5958	B-4	10
5315-00-143-5977	B-2	12
5315-00-187-3218	B-14	7
5315-00-187-3218	B-19	8
5318-00-187-9745	B-54	1
5315-00-298-9856	B-30	6
5315-00-619-7464	B-51	12
5315-00-619-7464	B-53	11
5315-00-682-1726	B-13	11
5315-00-682-1726	B-20	4
5315-00-682-1726	D-39	7
5315-00-682-1733	B-55	3
5315-00-682-1733	B-62	11
5315-00-685-5798	B-24	6
5315-00-702-9651	B-24	12
5315-00-702-9651	B-48	4
5315-00-702-9651	B-50	18
5315-00-733-2495	B-10	7
5315-00-806-7039	B-40	11
5315-00-806-7040	B-20	12
5315-00-806-7040	B-34	4
5340-00-806-7040	B-36	12
5315-00-807-7684	B-2	8
5315-00-807-7684	B-9	15
5315-00-807-7684	B-40	9
5315-00-807-7684	B-42	7
5315-00-810-0505	B-33	6
5315-00-812-9427	B-20	23
5315-00-817-0889	B-13	10
5315-00-817-0889	B-20	3
5315-00-825-1207	B-9	4
5315-00-825-1207	B-16	20
5315-00-825-1207	B-17	3
5315-00-825-1207	B-45	6
5315-00-825-1207	B-47	10
5315-00-826-1576	B-62	4
5315-00-834-0745	B-24	7
5315-00-841-5416	B-2	10
5315-00-844-1189	B-40	26
5315-00-846-2143	B-40	8
5315-00-847-5677	B-31	4
5315-00-889-2610	B-14	19
5315-00-889-2610	B-19	23
5315-00-889-2610	B-21	4
5315-00-899-3103	B-1	6
5315-00-906-3308	B-6	6
5315-00-928-9534	B-36	4
5315-00-948-0633	B-53	4
5315-00-988-7409	B-35	5
5325-00-133-2097	B-43	23
5325-00-839-7203	B-3	11
5330-00-060-1679	B-22	6
5330-00-125-9970	B-40	14
5330-00-133-1046	B-9	11
5330-00-133-1961	B-37	4
5330-00-133-1962	B-35	4
5330-00-133-1963	B-23	6
5330-00-133-1964	B-24	5
5330-00-133-1965	B-1	7
5330-00-133-1966	B-45	9
5330-00-133-1967	B-38	12
5330-00-135-1014	B-9	3

National Stock Number Cross-Reference to Figure and Item Number—Continued

National stock number	Figure No.	Item No.
5330-00-135-3027	B-11	4
5330-00-180-9249	B-50	11
5330-00-244-2844	B-8	4
5330-00-250-2125	B-4	5
5330-00-781-4525	B-6	10
5330-00-905-9174	B-3	8
5330-00-905-9174	B-43	5
5330-00-905-9175	B-41	2
5330-00-951-8268	B-22	10
5340-00-001-4696	B-49	11
5340-00-132-7814	B-21	7
5340-00-143-0205	B-16	7
5340-00-200-2637	B-51	2
5340-00-232-9976	B-49	7
5340-00-298-6564	B-5	6
5340-00-298-6564	B-41	3
5340-00-298-6564	B-46	1
5340-00-479-4478	B-32	3
5340-00-491-7632	B-57	4
5340-00-559-6128	B-3	10
5340-00-582-4075	B-46	3
5340-00-720-9221	B-5	1
5340-00-757-6518	B-10	8
5340-00-804-6855	B-6	11
5340-00-807-5330	B-15	1
5340-00-807-5330	B-20	14
5340-00-810-6492	B-7	10
5340-00-834-0423	B-10	3
5340-00-904-5271	B-63	12
5340-00-930-6783	B-38	7
5340-00-930-6790	B-19	12
5340-00-985-6633	B-44	11
5355-00-133-2093	B-3	3
5355-00-930-6753	B-40	2
5355-00-930-6754	B-46	5
5855-00-051-2792	B-44	13
5905-00-244-8016	B-43	37
5905-00-279-3495	B-18	13
5905-00-420-7113	B-43	34
5905-00-435-6345	B-12	12
5905-00-683-2592	B-3	13
5905-00-930-6779	B-18	12
5905-00-930-7653	B-12	6
5905-00-930-7653	B-18	6
5910-00-925-8888	B-14	3
5930-00-583-6582	B-54	20
5930-00-823-0482	B-3	4
5935-00-244-8262	B-22	9
5935-00-767-1306	B-42	3
5935-00-846-2175	B-54	16
5935-00-930-6735	B-44	12
5935-00-964-5470	B-3	7
5935-00-964-5470	B-43	4
5935-00-992-3476	B-22	5
5940-00-686-8168	B-43	14
5961-00-061-5955	B-43	22
5961-00-902-8821	B-43	17
5970-00-914-6832	B-43	18
5990-00-933-9277	B-55	26
5995-00-128-1783	B-49	16
5995-00-130-6197	B-49	17
5995-00-484-1108	B-3	9
6110-00-122-4651	B-49	13
6110-00-420-4310	B-43	7
6125-00-930-6765	B-14	6
6125-00-930-6765	B-19	15
6130-00-410-2386	B-49	15
6210-00-553-1102	B-43	1
6240-00-921-4493	B-10	1
6250-00-104-4626	B-11	6
6650-00-907-9121	B-63	13
6650-00-908-0852	B-63	3
6650-00-908-0853	B-63	14
6650-00-908-0855	B-63	15
9505-00-555-8177	B-58	1
9905-00-005-7719	B-62	12
9905-00-006-9645	B-50	21

Reference Number Cross-Reference to Figure and Item Number

Reference No.	FSCM code	Figure No.	Item No.
AN960B416	88044	B-50	4
CH12A1NE104K	81349	B-14	3
D-SC-D-611752	80063	B-44	13
MILI23053	81349	B-3	6
MILI23053	81349	B-43	15
MILI23053	81349	B-54	12
MILR3065	81349	B-14	9
MILR3065	81349	B-19	16
MILW16875-5	81349	B-44	19
MILW16878-1	81349	B-54	13
MILW16878-1	81349	B-54	14
MILW16878-1	81349	B-54	15
MS15795	96906	B-55	24
MS15795-802	96906	B-54	23
MS15795-803	96906	B-40	16
MS15795-803	96906	B-44	7
MS15795-807	96906	B-7	13
MS15795-818	96906	B-55	12
MS16555-601	96906	B-13	10
MS16555-601	96906	B-20	3
MS16555-603	96906	B-2	8
MS16555-603	96906	B-9	15
MS16555-603	96906	B-40	9
MS16555-603	96906	B-42	7
MS16555-603	96906	B-52	10
MS16555-604	96906	B-40	11
MS16555-604	96906	B-52	7
MS16555-604	96906	B-53	7
MS16555-605	96906	B-52	1
MS16555-606	96906	B-2	10
MS16555-617	96906	B-13	11
MS16555-617	96906	B-20	4

Reference Number Cross-Reference to Figure and Item Number—Continued

Reference No.	FSCM code	Figure No.	Item No.
MS16555-617	96906	B-39	7
MS16555-618	96906	B-24	12
MS16555-618	96906	B-47	5
MS16555-618	96906	B-48	4
MS16555-618	96906	B-50	18
MS16555-619	96906	B-14	19
MS16555-619	96906	B-19	23
MS16555-619	96906	B-21	4
MS16555-620	96906	B-20	12
MS16555-620	96906	B-34	4
MS16555-620	96906	B-36	12
MS16555-624	96906	B-10	7
MS16555-626	96906	B-31	4
MS16555-627	96906	B-9	4
MS16555-627	96906	B-16	20
MS16555-627	96906	B-17	3
MS16555-627	96906	B-45	6
MS16555-627	96906	B-47	10
MS16555-628	96906	B-33	6
MS16555-628	96906	B-60	16
MS16555-630	19200	B-62	4
MS16555-631	96906	B-24	7
MS16555-634	96906	B-35	5
MS16555-646	96906	B-55	3
MS16555-646	96906	B-62	11
MS16624-1018	96906	B-5	7
MS16624-12	96906	B-51	2
MS16624-4025	96906	B-5	6
MS16624-4025	96906	B-41	3
MS16624-4025	96906	B-46	1
MS16624-4185	96906	B-57	1
MS16625-4037	96906	B-6	11
MS16625-4043	96906	B-5	1
MS16625-4050	96906	B-15	1
MS16625-4050	96906	B-20	14
MS16625-4075	96906	B-7	10
MS16625-4212	96906	B-56	4
MS16995-10	96906	B-12	3
MS16995-10	96906	B-18	3
MS16995-11	96906	B-61	5
MS16995-17	96906	B-20	10
MS16995-18	96906	B-34	7
MS16995-28	96906	B-62	1
MS16995-3	96906	B-13	1
MS16995-3	96906	B-19	1
MS16995-36	96906	B-17	1
MS16995-50	96906	B-60	20
MS16995-81	96906	B-55	1
MS16996-16	96906	B-55	22
MS16998-18	96906	B-59	1
MS16998-28	96906	B-7	4
MS17984-C505	96906	B-63	12
MS18068-25	96906	B-56	16
MS18068-6	96906	B-56	1
MS20364-820	96906	B-57	10
MS21083B4	96906	B-50	3
MS21083N5	96906	B-59	3
MS21083N8	96906	B-55	4
MS21919G2	96906	B-3	10
MS24692-19	96906	B-6	4
MS24692-6	96906	B-14	7
MS24692-6	96906	B-19	8
MS3112E8-3P	96906	B-3	7
MS3112E8-3P	96906	B-43	4
MS3112E8-4P	96906	B-54	16
MS3132HC27-50P	96906	B-22	9
MS3132HC7-50P	96906	B-22	5
MS35190-212	96906	B-40	6
MS35191-287	96906	B-2	1
MS35275-202	96906	B-43	32
MS35275-203	96906	B-28	7
MS35275-204	96906	B-30	15
MS35275-205	96906	B-40	21
MS35275-212	96906	B-14	4
MS35275-212	96906	B-19	13
MS35275-212	96906	B-44	5
MS35275-213	96906	B-4	1
MS35275-213	96906	B-21	5
MS35275-213	96906	B-22	3
MS35275-213	96906	B-43	2
MS35275-213	96906	B-44	8
MS35275-214	96906	B-15	7
MS35275-214	96906	B-19	17
MS35275-214	96906	B-40	3
MS35275-214	96906	B-48	1
MS35275-214	96906	B-49	18
MS35275-215	96906	B-9	12
MS35275-215	96906	B-10	5
MS35275-215	96906	B-14	1
MS35275-215	96906	B-16	1
MS35275-215	96906	B-24	9
MS35275-215	96906	B-26	1
MS35275-215	96906	B-40	12
MS35275-215	96906	B-53	1
MS35275-216	96906	B-14	10
MS35275-227	96906	B-19	10
MS35275-227	96906	B-37	5
MS35275-227	96906	B-42	4
MS35275-227	96906	B-47	7
MS35275-227	96906	B-54	6
MS35275-228	96906	B-27	4
MS35275-228	96906	B-31	1
MS35275-228	96906	B-35	1
MS35275-228	96906	B-39	4
MS35275-228	96906	B-41	6
MS35275-229	96906	B-14	16
MS35275-229	96906	B-19	20
MS35275-229	96906	B-21	1
MS35275-229	96906	B-27	1
MS35275-229	96906	B-36	1
MS35275-229	96906	B-45	3
MS35275-229	96906	B-49	1
MS35275-230	96906	B-16	13
MS35275-230	96906	B-34	1
MS35275-230	96906	B-36	9
MS35275-230	96906	B-45	1
MS35275-230	96906	B-47	2
MS35275-231	96906	B-1	8
MS35275-231	96906	B-54	3
MS35275-233	96906	B-50	14
MS35275-243	96906	B-24	1
MS35275-243	96906	B-45	7
MS35275-245	96906	B-11	1
MS35275-245	96906	B-37	1

Reference Number Cross-Reference to Figure and Item Number—Continued

Reference No.	FSCM code	Figure No.	Item No.
MS35275-246	96906	B-7	11
MS35275-246	96906	B-30	3
MS35275-247	96906	B-25	4
MS35275-262	96906	B-23	1
MS35275-263	96906	B-1	1
MS35275-263	96906	B-23	3
MS35275-263	96906	B-33	1
MS35275-264	96906	B-1	12
MS35275-264	96906	B-9	1
MS35275-281	96906	B-8	1
MS35276-230	96906	B-5	5
MS35276-230	96906	B-6	3
MS35276-264	96906	B-4	21
MS35276-264	96906	B-29	3
MS35307-306	96906	B-62	7
MS35307-415	96906	B-60	3
MS35308-419	96906	B-60	1
MS35333-70	96906	B-20	20
MS35333-73	96906	B-1	17
MS35335-57	96906	B-26	2
MS35335-58	96906	B-54	7
MS35335-60	96906	B-2	13
MS35335-85	96906	B-43	13
MS35338-134	96906	B-13	2
MS35338-134	96906	B-19	2
MS35338-134	96906	B-28	8
MS35338-134	96906	B-30	16
MS35338-134	96906	B-40	23
MS35338-134	96906	B-43	20
MS35338-134	96906	B-48	7
MS35338-134	96906	B-49	6
MS35338-134	96906	B-54	18
MS35338-134	96906	B-54	22
MS35338-135	96906	B-2	6
MS35338-135	96906	B-4	25
MS35338-135	96906	B-9	13
MS35338-135	96906	B-10	6
MS35338-135	96906	B-12	4
MS35338-135	96906	B-14	2
MS35338-135	96906	B-15	8
MS35338-135	96906	B-16	2
MS35338-135	96906	B-18	4
MS35338-135	96906	B-19	14
MS35338-135	96906	B-21	6
MS35338-135	96906	B-22	4
MS35338-135	96906	B-24	10
MS35338-135	96906	B-40	4
MS35338-135	96906	B-43	3
MS35338-135	96906	B-44	6
MS35338-135	96906	B-48	2
MS35338-135	96906	B-49	19
MS35338-135	96906	B-53	2
MS35338-135	96906	B-55	7
MS35338-135	96906	B-61	6
MS35338-136	96906	B-1	9
MS35338-136	96906	B-14	17
MS35338-136	96906	B-16	14
MS35338-136	96906	B-19	11
MS35338-136	96906	B-20	11
MS35338-136	96906	B-21	2
MS35338-136	96906	B-27	2
MS35338-136	96906	B-31	2
MS35338-136	96906	B-34	2
MS35338-136	96906	B-35	2
MS35338-136	96906	B-36	2
MS35338-136	96906	B-37	6
MS35338-136	96906	B-39	5
MS35338-136	96906	B-41	7
MS35338-136	96906	B-42	5
MS35338-136	96906	B-45	2
MS35338-136	96906	B-47	3
MS35338-136	96906	B-49	2
MS35338-136	96906	B-50	15
MS35338-136	96906	B-54	4
MS35338-137	96906	B-7	12
MS35338-137	96906	B-11	2
MS35338-137	96906	B-24	2
MS35338-137	96906	B-25	5
MS35338-137	96906	B-30	4
MS35338-137	96906	B-37	2
MS35338-137	96906	B-45	8
MS35338-137	96906	B-55	20
MS35338-137	96906	B-59	2
MS35338-137	96906	B-62	2
MS35338-138	96906	B-1	2
MS35338-138	96906	B-3	2
MS35338-138	96906	B-4	22
MS35338-138	96906	B-9	2
MS35338-138	96906	B-17	2
MS35338-138	96906	B-23	2
MS35338-138	96906	B-29	4
MS35338-138	96906	B-33	2
MS35338-138	96906	B-55	23
MS35338-139	96906	B-8	2
MS35338-139	96906	B-60	21
MS35338-139	96906	B-62	8
MS35338-140	96906	B-50	2
MS35338-141	96906	B-55	2
MS35338-143	96906	B-60	2
MS35338-143	96906	B-61	11
MS35338-44	96906	B-63	2
MS35430-1	96906	B-14	20
MS35430-3	96906	B-43	14
MS35490-25	96906	B-3	11
MS35649-224	96906	B-40	22
MS35649-224	96906	B-43	19
MS35649-224	96906	B-49	4
MS35649-244	96906	B-14	14
MS35649-244	96906	B-43	10
MS35649-264	96906	B-54	5
MS39086-102	96906	B-40	26
MS39086-111	96906	B-40	1
MS39086-129	96906	B-30	6
MS39086-137	96906	B-40	8
MS39086-142	96906	B-29	6
MS51001-12-3	96906	B-6	10
MS51007-1	96906	B-3	8
MS51007-1	96906	B-43	5
MS51007-2	96906	B-22	6
MS51007-5	96906	B-22	10
MS51021-1	96906	B-30	11
MS51021-1	96906	B-51	6
MS51021-10	96906	B-34	11
MS51021-22	96906	B-57	13

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MS51021-23	96906	B-4	9
MS51021-23	96906	B-30	20
MS51021-31	96906	B-34	5
MS51021-9	96906	B-16	11
MS51023-32	96906	B-60	6
MS51023-52	96906	B-61	1
MS51029-40	96906	B-30	1
MS51031-47	96906	B-56	5
MS51031-58	96906	B-9	9
MS51031-9	96906	B-39	1
MS51038-1	96906	B-38	1
MS51038-15	96906	B-38	5
MS51038-16	96906	B-38	3
MS51038-40	96906	B-60	11
MS51038-59	96906	B-32	2
MS51107-110	96906	B-61	10
MS51837-2	96906	B-42	9
MS51877-2	96906	B-4	12
MS51877-2	96906	B-11	11
MS51607-1	96906	B-4	13
MS51607-1	96906	B-11	12
MS51607-1	96906	B-42	10
MS51923-156	96906	B-54	1
MS51923-466	96906	B-36	5
MS51938-5	96906	B-57	4
MS51957-12	96906	B-33	7
MS51957-12	96906	B-44	14
MS51957-13	96906	B-2	5
MS51957-13	96906	B-3	5
MS51957-13	96906	B-4	24
MS51957-13	96906	B-54	11
MS51957-15	96906	B-55	6
MS51957-16	96906	B-43	12
MS51957-3	96906	B-43	6
MS51957-3	96906	B-48	6
MS51957-4	96906	B-49	5
MS51957-45	96906	B-55	19
MS51957-5	96906	B-54	21
MS51957-6	96906	B-54	17
MS51957-61	96906	B-1	18
MS51957-63	96906	B-1	16
MS51957-63	96906	B-3	1
MS51957-92	96906	B-57	3
MS51958-2	96906	B-26	5
MS51959-12	96906	B-6	1
MS51959-12	96906	B-16	5
MS51959-13	96906	B-4	6
MS51959-13	96906	B-7	2
MS51959-13	96906	B-28	5
MS51959-14	96906	B-28	1
MS51959-14	96906	B-42	1
MS51959-14	96906	B-43	8
MS51959-2	96906	B-50	19
MS51959-28	96906	B-4	19
MS51959-28	96906	B-25	9
MS51959-29	96906	B-32	4
MS51959-3	96906	B-10	2
MS51959-3	96906	B-43	25
MS51959-3	96906	B-50	9
MS51959-30	96906	B-4	18
MS51959-34	96906	B-4	17
MS51959-4	96906	B-43	30
MS51959-5	96906	B-43	21
MS51963-41	96906	B-39	8
MS51963-9	96906	B-11	5
MS51973-10	96906	B-9	8
MS51973-10	96906	B-22	1
MS51973-41	96906	B-24	3
MS51981-30	96906	B-55	17
MS87006-3	96906	B-63	11
MS90725-3	96906	B-63	1
MS90725-5	96906	B-63	7
MS9105-01	96906	B-51	12
MS9105-01	96906	B-53	11
MS9105-31	96906	B-20	23
MS9105-81	96906	B-24	6
MS91528-3N4B	96906	B-3	3
MS9321-14	96906	B-55	5
MS9390-19	96906	B-36	4
MS9390-30	96906	B-1	6
MS9390-32	96906	B-6	14
MS9390-8	96906	B-53	4
M5423-09-02	81349	B-3	4
NAS609-448-6	81349	B-20	19
RC20GF753J	81349	B-18	13
RE60N16R2	81349	B-43	37
RE60N30R1	81349	B-43	34
RP251F0101KK	81349	B-3	13
10511474	19200	B-52	9
10511474	19200	B-53	5
10512756	19200	B-14	15
10513208	19200	B-7	8
10513233	19200	B-6	6
10513234	19200	B-5	4
10513374	19200	B-6	2
10513384	19200	B-6	13
10513398	19200	B-63	3
10514713	19200	B-10	3
10516350	19200	B-43	22
10516794	19200	B-15	2
10516794	19200	B-20	15
10530737	19200	B-24	4
10538509	19200	B-53	9
10538510	19200	B-50	1
10538511	19200	B-53	3
10538512	19200	B-50	21
10538514	19200	B-51	3
10538516	19200	B-50	20
10538517	19200	B-53	6
10538518	19200	B-51	4
10538524	19200	B-54	26
10538525	19200	B-53	12
10538526	19200	B-50	17
10538527	19200	B-50	16
10538535	19200	B-52	12
10538536	19200	B-51	13
10538538	19200	B-52	3
10538539	19200	B-51	10
10538556	19200	B-52	4
10538557	19200	B-52	8
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10538559	19200	B-52	5
10538560	19200	B-52	11
10538581	19200	B-51	7

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10538584	19200	B-50	13
10538585	19200	B-50	10
10538586	19200	B-51	14
10538587	19200	B-52	14
10539252	19200	B-2	14
10539253	19200	B-2	3
10539254	19200	B-2	12
10539255	19200	B-2	9
10539259	19200	B-16	7
10539260	19200	B-14	9
10539260	19200	B-19	16
10539261	19200	B-11	6
10539265	19200	B-46	4
10539266	19200	B-46	2
10539267	19200	B-38	10
10539270	19200	B-38	17
10539271	19200	B-38	19
10539272	19200	B-38	21
10539273	19200	B-38	14
10539274	19200	B-44	2
10539279	19200	B-48	5
10539281	19200	B-30	10
10539288	19200	B-30	18
10539305	19200	B-30	8
10539306	19200	B-1	3
10539308	19200	B-7	14
10539310	19200	B-4	2
10539311	19200	B-4	4
10539312	19200	B-28	10
10539317	19200	B-19	19
10539318	19200	B-19	12
10539320	19200	B-16	19
10539321	19200	B-16	18
10539322	19200	B-16	15
10539325	19200	B-11	8
10539328	19200	B-21	7
10539330	19200	B-29	1
10539332-1	19200	B-45	9
10539332-2	19200	B-38	12
10539336	19200	B-32	3
10539337	19200	B-32	1
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10539342	19200	B-2	11
10539344	19200	B-30	12
10539348	19200	B-15	9
10539349	19200	B-30	17
10539350	19200	B-28	2
10539351	19200	B-30	7
10539353	19200	B-30	9
10539354	19200	B-1	20
10539355	19200	B-44	18
10539356	19200	B-41	9
10539358	19200	B-26	6
10539359	19200	B-25	7
10539360	19200	B-26	3
10539365	19200	B-46	8
10539366	19200	B-38	13
10539367	19200	B-38	2
10539368	19200	B-38	16
10539369	19200	B-38	20
10539370	19200	B-38	6
10539371	19200	B-38	8
10539378	19200	B-40	27
10539379	19200	B-40	25
10539380	19200	B-39	2
10539386	19200	B-44	1
10539389	19200	B-46	6
10539390	19200	B-47	9
10539394	19200	B-49	20
10539396	19200	B-42	12
10539397	19200	B-47	1
10539398	19200	B-44	16
10539399	19200	B-44	17
10539401	19200	B-40	17
10539407	19200	B-38	7
10539408	19200	B-15	5
10539408	19200	B-20	17
10539409-3	19200	B-56	3
10539410	19200	B-15	4
10539410	19200	B-20	18
10539413	19200	B-14	11
10539415	19200	B-12	5
10539415	19200	B-18	5
10539416	19200	B-40	24
10539417	19200	B-12	2
10539417	19200	B-18	2
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10539422	19200	B-40	15
10539424	19200	B-49	22
10539427-2	19200	B-55	9
10539429	19200	B-54	19
10539430	19200	B-54	24
10539431	19200	B-13	8
10539431	19200	B-20	1
10539434	19200	B-37	7
10539455	19200	B-40	14
10539457	19200	B-43	23
10539459	19200	B-13	12
10539459	19200	B-20	5
10539460	19200	B-13	13
10539460	19200	B-20	6
10539461	19200	B-13	15
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10539462	19200	B-13	16
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10539465	19200	B-22	2
10539466	19200	B-16	6
10539467	19200	B-16	12
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10539469	19200	B-19	22
10539470	19200	B-34	9
10539471	19200	B-34	12
10539472	19200	B-34	6
10539473	19200	B-36	7
10539476	19200	B-42	13
10539477	19200	B-29	5
10539478	19200	B-27	3
10539480	19200	B-30	13
10539482	19200	B-30	21
10539487	19200	B-20	13
10539488	19200	B-28	3
10539489	19200	B-4	8

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Reference No.	FSCM No.	Figure No.	Item No.
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10539497	19200	B-4	7
10539498	19200	B-4	5
10539501	19200	B-5	8
10539503	19200	B-21	3
10539504	19200	B-16	17
10539511-2	19200	B-12	1
10539511-2	19200	B-18	1
10539512-2	19200	B-13	6
10539512-2	19200	B-19	6
10539513	19200	B-15	3
10539514	19200	B-20	16
10539515	19200	B-7	15
10539531	19200	B-40	10
10539532	19200	B-2	16
10539533	19200	B-24	11
10539535	19200	B-30	23
10539540	19200	B-41	4
10539541	19200	B-41	1
10539542	19200	B-41	8
10539543	19200	B-40	2
10539544	19200	B-25	1
10539547	19200	B-46	7
10539548	19200	B-46	5
10539549	19200	B-38	18
10539550	19200	B-38	4
10539551	19200	B-38	11
10539557	19200	B-44	3
10539558	19200	B-42	6
10539564	19200	B-44	4
10539600-1	19200	B-49	16
10539600-2	19200	B-49	17
10539603	19200	B-20	2
10539603-2	19200	B-13	9
10539605	19200	B-49	14
10539609	19200	B-39	3
10539611	19200	B-45	5
10539612	19200	B-31	3
10539614	19200	B-29	2
10539615	19200	B-47	6
10539616	19200	B-25	8
10539617	19200	B-34	13
10539618	19200	B-34	3
10539620	19200	B-36	3
10539621	19200	B-45	10
10539622	19200	B-24	8
10539622	19200	B-36	6
10539623	19200	B-39	6
10539625	19200	B-14	18
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10539628	19200	B-55	21
10539630	19200	B-49	12
10539633	19200	B-9	14
10539634	19200	B-5	9
10539635	19200	B-7	5
10539636	19200	B-26	4
10539637	19200	B-26	7
10539639	19200	B-4	23
10539641	19200	B-6	5
10539643	19200	B-9	16
10539644	19200	B-7	17
10539653	19200	B-30	19
10539656	19200	B-27	6
10539658	19200	B-38	22
10539660	19200	B-47	11
10539690	19200	B-55	26
10539698	19200	B-21	8
10539705	19200	B-43	7
10539706	19200	B-42	2
10539707	19200	B-43	38
10539712	19200	B-37	3
10539714	19200	B-30	5
10539721	19200	B-16	4
10539722	19200	B-7	6
10539725	19200	B-11	3
10539726	19200	B-22	12
10539728	19200	B-49	23
10539729	19200	B-32	8
10539730	19200	B-42	15
10539733	19200	B-26	8
10539734	19200	B-25	6
10539735	19200	B-36	13
10539736	19200	B-31	5
10539738	19200	B-35	3
10539739	19200	B-33	4
10539741	19200	B-1	15
10539744	19200	B-33	3
10539745	19200	B-23	5
10539746	19200	B-8	3
10539747	19200	B-1	5
10539749	19200	B-4	
10539752	19200	B-16	3
10539754	19200	B-13	4
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10539754	19200	B-19	4
10539784	19200	B-13	7
10539784	19200	B-19	7
10539800	19200	B-14	8
10539800	19200	B-19	9
10539801	19200	B-13	3
10539801	19200	B-19	3
10539804	19200	B-11	9
10539857	19200	B-43	26
10539888	19200	B-33	8
10539893	19200	B-22	11
10539898	19200	B-42	3
10539900	19200	B-43	1
10539902	19200	B-11	7
10539906	19200	B-51	9
10539907	19200	B-52	6
10539908	19200	B-54	25
10539910	19200	B-16	16
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10539915	19200	B-49	21
10539946	19200	B-7	16
10539948	19200	B-43	24
10539950	19200	B-43	9
10539962	19200	B-13	5
10539962	19200	B-19	5
10539971	19200	B-18	12
10540089	19200	B-54	9
10540091	19200	B-43	31
10540124	19200	B-14	6
10540124	19200	B-19	15

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10540125	19200	B-12	6
10540125-1	19200	B-12	12
10540125-2	19200	B-18	6
10540195	19200	B-49	13
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10540272	19200	B-60	15
10540273	19200	B-62	12
10540274	19200	B-60	17
10540275	19200	B-60	9
10540276	19200	B-60	19
10540277	19200	B-61	4
10540278	19200	B-61	2
10540279	19200	B-60	12
10540280-11	19200	B-35	4
10540280-13	19200	B-24	5
10540280-14	19200	B-1	7
10540280-15	19200	B-11	4
10540280-16	19200	B-33	5
10540280-17	19200	B-23	6
10540280-2	19200	B-50	11
10540280-22	19200	B-9	11
10540280-23	19200	B-8	4
10540280-5	19200	B-9	3
10540280-7	19200	B-37	4
10540281	19200	B-60	13
10540282	19200	B-61	13
10540283	19200	B-62	6
10540284	19200	B-60	7
10540286	19200	B-61	9
10540287	19200	B-31	7
10540288	19200	B-62	5
10540289	19200	B-60	8
10540290	19200	B-62	3
10540291	19200	B-61	8
10540292	19200	B-60	18
10540295	19200	B-61	3
10540296	19200	B-60	5
10540297	19200	B-62	13
10540298	19200	B-61	14
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10540327	19200	B-57	11
10540332	19200	B-55	14
10540333	19200	B-57	16
10540340	19200	B-55	15
10540342	19200	B-57	14
10540364	19200	B-55	8
10540366	19200	B-56	15
10540372	19200	B-62	10
10541759	19200	B-56	11
10541789	19200	B-56	17
10541790	19200	B-56	9
10541791	19200	B-56	2
10541792	19200	B-58	18
10541793	19200	B-56	20
10541796	19200	B-55	25
10549785	19200	B-49	15
10552753	19200	B-3	15
10552757	19200	B-3	12
10552758	19200	B-1	21
10552771	19200	B-62	9
10552776	19200	B-40	7
10552778	19200	B-40	5
10552792	19200	B-4	10
10552796	19200	B-44	12
10552798	19200	B-3	16
10552801	19200	B-3	9
10552813	19200	B-63	5
10552821	19200	B-20	21
10552832	19200	B-56	7
10552833	19200	B-56	10
10556570	19200	B-20	22
10556579	19200	B-25	10
10556598-1	19200	B-57	8
10556598-2	19200	B-57	6
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10556602	19200	B-57	7
10556603	19200	B-57	9
10556605	19200	B-55	16
10556606	19200	B-57	12
10556618	19200	B-1	11
10556625	19200	B-28	9
10556627	19200	B-4	26
11654264	19200	B-63	9
11727972	19200	B-51	5
11727974	19200	B-47	4
11727977	19200	B-50	7
11727978	19200	B-50	5
11727979	19200	B-50	8
11727990	19200	B-50	6
11727998	19200	B-7	1
11727998	19200	B-9	5
11727998	19200	B-29	7
11727999	19200	B-28	4
11728517	19200	B-1	14
11728518	19200	B-2	2
11728519	19200	B-2	4
11728569	19200	B-2	7
11728593	19200	B-2	15
11728598	19200	B-9	7
11728598	19200	B-29	9
11729354	19200	B-4	15
11729354	19200	B-11	13
11729354	19200	B-42	11
11729370-2	19200	B-51	1
11729379	19200	B-3	14
11729381	19200	B-7	9
11731861	19200	B-9	6
11731861	19200	B-29	8
11731866	19200	B-1	10
11731868	19200	B-48	8
11731871	19200	B-4	14
11731872	19200	B-4	16
11731879	19200	B-7	3
11731904	19200	B-28	6
11731968	19200	B-49	7
11731969	19200	B-49	11
11732044	19200	B-49	3
11737552-1	19200	B-63	6
11737552-2	19200	B-63	4
11737552-4	19200	B-63	16
11740024	19200	B-54	2
11740078	19200	B-54	10
11740095	19200	B-36	11

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7599556	19200	B-6	8
8200055	19200	B-4	11
8200055	19200	B-11	10
8200055	19200	B-42	8
8229115	19200	B-58	8
8229116	19200	B-58	9
8247743	19200	B-60	10
8260385	19200	B-57	15
8298358	19200	B-58	13
8298369	19200	B-58	4
8298370	19200	B-58	5
8298412	19200	B-5	2
8298414	19200	B-5	3
8298420	19200	B-6	12
8585385	19200	B-58	1
8585612	19200	B-44	11
8589733	19200	B-63	15
8589745	19200	B-63	13
8589760	19200	B-63	14
8589768	19200	B-52	2
8589770	19200	B-41	2
8589794	19200	B-43	18
8589836	19200	B-43	17
8589912	19200	B-6	7
8590833	19200	B-46	3
8605989	19200	B-58	2
8606009	19200	B-58	11
8619986	19200	B-30	22
8620124	19200	B-58	3
8620125	19200	B-59	5
8620147	19200	B-59	4
8620151	19200	B-59	7
8620152	19200	B-59	6
8620812	19200	B-25	2
8623877-1	19200	B-51	8
8624583	19200	B-10	1
8624613	19200	B-10	9
8624696	19200	B-10	8
8624707	19200	B-30	14
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☆ U.S. GOVERNMENT PRINTING OFFICE: 1986-157-812

TM 9–1240–330–34, PERISCOPE, TANK: M50 (1240–00–950–2805) AND ASSOCIATED EQUIPMENT ITEMS–1973